

Office of Deputy Commissioner, Karnal Government of Haryana

Registered Post

From

The Deputy Commissioner,

Karnal

То

Director General,

Environment & Climate Change Department, Haryana,

Bays No. 55-58, Second Floor,

Sector-12 Panchkula.

No.

18661

/MA

Dated 21/06/23

Subject:

Uploading of Revised District Environment Plan.

Memo:

In reference to the subject cited above.

In this regard, revised District Environment Plan as received from Regional Officer, Haryana State Pollution Control Board, Karnal Region, Karnal vide his office letter No. HSPCB/KAR/2023/3747 dated 15.06.2023 is enclosed herewith in original for your kind information and taking further necessary action in the above matter.

DA:- As above

for Deputy Commissioner, Karnal.

Endst No.

18662

/MA

Dated \$1/06/23

A copy of the above alongwith copy of revised District Environment Plan of District Karnal is forwarded to the Additional Chief Secretary to Govt. Haryana, Environment and Climate Change Department, Chandigarh for information and further necessary action.

DA:- As above

o for Deputy Commissioner, Karnal.

DISTRICT ENVIRONMENT PLAN DISTRICT KARNAL (HARYANA)



OFFICE OF DISTRICT ADMINISTRATION DISTRICT COLLECTOR, KARNAL OFFICE ADDRESS: SECTOR 12 KARNAL, HARYANA 132001

Contents

2.	Dis	trict Profile	4-5
	a.	District Administrative Set-up	6
	b.	Natural Resources	7-8
	?	Water bodies	
	?	Availability of water resources	
	?	Forest coverage	
	d.	Geography & Demography	9
	e.	Land-use patter	10-11
	f.	Climate	12
1. Waste Mana		icative Gap Analysis and Action Plans for complying with ent Rules	13
	(i)	Solid Waste Management	13-31
	a.	Current status related to solid Waste management	
	b.	Identification of gaps and Action plan	
	(ii	Plastic waste Management	32-36
	(a	Current status related to Plastic waste management	
	(b	Identification of gaps and Action plan	
	(ii	i)C &D Waste Management	37-42
	•	a. Current status related to C &D Waste	
	b.	Identification of gaps and Action plan	
	(iv	Biomedical Waste Management	43-46
	a.	Current Status related to biomedical waste	
	b.	Identification of gaps and Action plan	
	(v	Hazardous Waste Management	47-49

a. Current Status related to Hazardous Waste Management

	b. Identification of gaps and action plan	
(vi)	E-Waste Management	50-54
	a. Current Status related to E-Waste Management	
	b. Identification of gaps and action plan	
2.	Air Quality Management	55-59
	a. Current Status related to Air Quality Management	
	b. Identification of gaps and action plan	
3.	Water Quality Management	60-66
	A. Water Quality Monitoring	
	Current Status related to Water Quality Management	
	Identification of gaps and action plan for water quality monitoring	
В.	Domestic Sewage	67-69
	a. Identification of gaps and action plan for treatment of domestic sewage	
4.	Industrial waste water management	70-71
	a. Current Status related to Industrial Waste water Management	
	b. Identification of gaps and action plan for industrial wastewater	
5.	Mining Activity Management plan	72-73
	a. Current Status related to Mining Activity Management	
	b. Identification of gaps and action plan	
6.	Noise Pollution Management plan	74-75
	a. Current Status related to Noise Pollution Management	
	b. Identification of gaps and action plan	
17	Other Environment issues	76-84

Introduction:-

District Profile:

Karnal is an agricultural-industrial district in the north-central part of Haryana. It is said to be founded by Raja Karna, who was one of the central figures in the epic Mahabharata. The name Karnal comes from Karnalaya, where alaya means abode. Mahabharata's conception is rooted in the names of most of Haryana's districts. This not only means that the Mahabharata's consciousness is rooted in the very social fabric of the people here, but also that the region is a fascinating location to study the epic. Karnal is no exception indeed. Present day Karnal however, offers an imagery of lush fields, Basmati, industrial landscape, educated service class, and a quiet and peaceful city. It has become synonymous with the National Highway 44 (NH-44), which is popularly known as GT Karnal Road (Grand Trunk Karnal Road). Lying midway between Delhi and Chandigarh, modern day Karnal is imbued with the culture of both the cities. Even though the city has witnessed changing political centers, much of its soul has remained unchanged. It is bordered by Kurukshetra (northwest), Jind and Kaithal (west) and Panipat (south). On the east, it is separated from Uttar Pradesh through the Yamuna, which also forms a natural border between the two states. Karnal has become a mature district after independence.

District Profile of Karnal

Total Population of the District -1610184 Total No. of Households in the District - 308198

	Profile of strict	Rural Profile of District			
Local Bodies	Current Population	No. of Households	Local Bodies (No. of Panchayats)	Population	No. of Households
Municipal Corporation, Karnal	454810 (28.24%)	77962	Block Assandh (44)	134821 (8.37%)	25352
Municipal Committee Assandh Municipal Committee Gharaunda Municipal Committee Nissing Municipal Committee Nilokheri Municipal Committee Taraori Municipal Committee Indri	27125 (1.68%) 37816 2.34%) 17438 (1.08%) 17938 (1.11%) 25944 (1.61%) 17487 (1.08%)	5081 8503 4446 4580 5754 3278	Block Gharaunda45) Block Indri77) Block Karnal(45) Block Kunjpura (33) Block Munak (30) Block Nilokheri (76) Block Nissing (45)	142921 (8.87%) 128651 (7.99%) 106978 (6.64%) 79392 (4.93%) 119040 (7.39%) 163607 (10.16%) 136216 (8.45%)	26688 22517 28225 15924 22185 32027 25676
Total	5,98,558 (37.17%)	1,09,604	395 Panchayats	10,11,626 (62.83%)	1,98,594

District Administrative set-up:

Karnal has four sub-divisions, Karnal, Indri, Assandh and Gharaunda, which contain five tehsils: Indri, Nilokheri, Karnal, Assandh and Gharaunda. The district has eight blocks: Karnal, Indri, Nilokheri, Nissing, Assandh, Gharaunda, Kunjpura and Munak.

Sub-Division	Tehsils	Sub-Tehsils	Blocks	Area of blocks(sq.km)
1.Karnal	1.Karnal	1.Nissing	1.Gharaunda	362.8
2.Assandh	2.Assandh	2.Ballah	2.Indri	330.4
3.Indri	3.Nilokheri	3.Nigdhu	3.Karnal	437.6
4.Gharaunda	4.Indri		4.Nilokheri	341.0
	5.Gharaunda		5.Nissing	354.4
			6.Assandh	469.9
			7.Kunjpura	
			8. Munak	

a. Local Institutions:

Area	2,520 Sq Km
Population	16,10,184
Literacy Rate	74.73%
No. of Sub Division	4
No. of Tehsils	5
No. of Sub Tehsils	3
No. of Municipal Corporation	1
No. of Municipalities	6
No. of Blocks	8
No. of Gram Panchayats	394
No. of Villages	435

a. Natural Resources:

Water bodies and availability of water resources:

The district is a part of the Indus-Ganges plain (Upper Yamuna Basin) and has a well-spread network of western Yamuna canals. Its geographical area has been divided into three agro climatic regions: Khadar, Bangar and Nardak belt. The river Yamuna which marks the eastern boundary of the Haryana State as well as Karnal district provides the major drainage in the area. Irrigation in the district is done by surface water as well as ground water. 70% of the net irrigated area is covered through ground water. The area falls in the Upper Yamuna Basin and the principal ground water reservoir in the area is unconsolidated alluvial deposits of Quaternary age. Ground water in near surface zone occurs under water table conditions and occurs under semi confined toconfined conditions in deeper aguifers. Rain fall and seepage from the river Yamuna, canal networks and irrigation is the principal source of ground water recharge in the area. Ground Water Resources estimation of the district was done in 2009 for each individual block. Perusal of the Estimates reveals overall stage of ground water development in the district is of the order of 140%. The present stage of block wise ground water development varies from 109 % (Indri) to 176 % (Assandh). The ground water development in all the blocks of the district has exceeded the available recharge and thus all the blocks have been categorized as over exploited. Net annual ground water availability of the district is 85905 hams and existing gross ground water draft for all users is 120143.

Forest Coverage:

District Karnal have mainly Tropical dry deciduous type forest spreading on 7800 ha land.

Average rainfall is recorded 500 mm. Out of total forest land, 390.83 ha is covered by reserve forest comprising of 05 blocks namely Shekhpua 64.50 ha, Badagaon 85 ha, KhedaKandi 104 ha, Badi 108 ha and Ukela 45 ha blocks. Protected forest covers around 7400 ha land alongside canals 4677 ha, roads 2160 ha, railway track 263 ha and bundh 111 ha.

Total no of plantation in District Karnal by Forest Department.

Sr.	District	GREENING	Total
No.			
1.	Karnal	Additional number of saplings planted during the period under report	4,32,615
2.	Karnal	Number of trees permitted to cut/fell during the period under report	651
3.	Karnal	Number of trees cut/felled during the period under report	8364
4.	Karnal	Central verges of roads greened during the period under report (in kms)	50
5.	Karnal	Greening of unpaved Areas along roadside during the period under report (in sq. kms.)	200
6.	Karnal	No of plants distributed	3,40,000
7.	Karnal	Planted for conversion of HOT Spots into Green areas	3,385
8.	Karnal	Plants planted by HSPCB through Industrial Associations.	34000

a. Geography & Demography:

Description	Current Status
Population	16,10,184
Male	8,38,905
Female	7,71,279
Population Growth	18.14%
Area Sq. Km	2,520
Density/km2	597
Proportion to Haryana Population	5.94%
Sex Ratio (Per 1000)	887
Child Sex Ratio (0-6 Age)	824
Average Literacy	74.73
Male Literacy	81.82
Female Literacy	66.82
Literates	978,013
Male Literates	564,516
Female Literates	413,497

i. Major Drainage Yamuna River

The city is located at 29.68°N 76.98°E, making it lie almost on the vertical line passing midway through India. With an elevation of 240 meters above sea level, it lies a little higher than Delhi. The district looks like a distorted parallelogram, with an area of 2,471 sq. km. making it the eighth largest district in Haryana. Geologically, the district is a part of the Indo-Gangetic plains and is irrigated by a network of Yamuna canals. The three agro-climatic regions coexisting in Karnal are Khadar, Bangar and Narḍak. Khadar regions are low-lying river plains lying next to the river. This is a region prone to flooding and forms the margin of the river's course- change. Naturally, this area contains very fertile soil. Bangar lies next to Khadar, which is less fertile but alsoless prone to flooding. Nardak region lies beyond, with saline water, which is not fit for irrigation. Hence, in Karnal, the region lying between the Yamuna and NH-44 is Khadar, followed by Bangar (Gharaunda), westward. Assandh, Nilokheri and Nissing are part of Nardak region.

b. Land-use of District Karnal:

S. No.	Type of Land	Area (Sq.Km)
1	Forest Area	76
2	Net area sown	2000
3	Cultivable Area	2100
4	Area Under Principal Crops	399000 ha

Major Soil Types: Clayey Loam, Sandy loam

Irrigation by different sources:

S. No	Source of Irrigation	Area of land irrigated
1	Tubewells / Borewells	1650 sq.km, 41973 nos.
2	Canals	350 sq.km
3	Net Irrigated Area	2000 sq.km
4	Gross Irrigated Area	3900 sq.km

Status of Micro Irrigation Project

The above said project is being proposed for three major benefits i.e. Micro Irrigation, ground water recharge and waste water management. BC ratio of this project work out to be 1.672:1 by considering benefit Irrigation alone, thus this project is fit for execution. This is mainly TWW Micro Irrigation project use of TWW and efficient irrigation by Micro Irrigation makes this project innovative. This project adds to the depletion of the ground water resources of the area. Thus, it is all the more necessary that even the treated sewage water should not be allowed to flow to the river Yamuna. This project will stop treated water of this STP from flowing to the river Yamuna. The upcoming 50 MLD STP of Municipal Corporation, Karnal will have treatment capacity of 50 MLD. Haryana Govt. has notified TWW use policy in 2019 vide which 25% of the TWW is mandatory for using in the Municipal limit itself. Thus, the present project has been planned for 75% of 50 MLD i.e. for 37.5 MLD only. This project will provideMicro Irrigation in 11 villages where presently there is no canal irrigation. The tender of the work was called vide Executive Engineer, Indri W/S Division, Karnal letter on dated 16.07.2021 and work has been allotted to agency.

The work is in progress. The target date of completion is 31.03.2024(for reuse of treated STP effluent – Irrigation Department). Another project for 10 MLD STP and 08 MLD STP Shiv colony is in progress and target date is 10-09-2024.

Climate:

The climate of the district is characterized by the dryness of the air with an intensely hot summer and a cold winter. The year may be divided in to four seasons. The cold season starts by late November and extends to the middle of March. It is followed by hot season which continues to the end of June when the southwest monsoon arrives over the district. July to September is the southwest monsoon season. The post monsoon season period isfrom October to December. The normal annual rainfall of the district is 582mm recorded in 32 rainy days in a year. About 82.39% of the annual rainfall is recorded during the southwest monsoon from July to September. August is the wettest month of the year with an average of 9.0 rainy days and 221.5 mm rainfall. Maximum rainfall of 1404mm and minimum rainfall of 255mm were observed in the years 1998 and 1987 respectively.

Indicative Gap Analysis and Action Plans for complying with Waste Management Rules Solid Waste Management

a. Current status related to solid Waste management Preamble:

The Ministry of Environment, Forest and Climate Change, Government of India has notified the Solid Waste Management Rules, 2016. As per the Rules, the role of local body has been specified as per Rule 15 of Solid Waste Management Rules, 2016 and as per Rule-16 of the said Rules, Haryana State Pollution Control Board shall enforce these Rules through local bodies. With respect to effective implementation of Solid Waste Management Rules, 2016, Hon'ble NGT had laid down several orders, of which, Hon'ble National Green Tribunal, Principal Bench on 22nd December 2016 has passed judgment in Original Application No.199 of 2014 filed by Mrs. Almitra Patel with regard to solid waste management. Further, for effective implementation of the Rules, the Hon'ble NGT its orders dated 31.08.2018 had said in constituted Apex Committee, Regional Committee and State Committee

Solid Wastes generation in Karnal District:

In Karnal District, there are 1 Corporation, 6 Municipalities, 8 Town Panchayats and 14 Panchayat Unions. The population of District Karnal is 16,10,184. The solid waste generated from the said local bodies is being collected. The wet solid waste is either composted or micro composted. The plastic waste is collected and the inert material is disposed in the landfill sites.

As per Hon'ble NGT order dated 15.07.2019 in O.A. No. 710-713/2017, the detailed guidelines to be followed in respect of Solid Waste Management Rules, 2016.











Sr. No.	Urban Local bodies	No of Wards	No of Households	Population	Solid Waste Generated per day
1	Municipal corporation Karnal	20	77962	454810	180TPD
2	Municipal Committee Assandh	15	5081	27125	10
3	Municipal Committee Gharounda	17	8503	37816	19
4	Municipal Committee Nissing	13	4446	17438	6.5
5	Municipal Committee Nilokheri	13	5030	17938	11.32
6	Municipal Committee Taraori	15	5754	25944	12.5
7	Municipal Committee Indri	13	3278	17487	8.51
	Total	106	110054	5,98,558	247.83 TPD

Sr. No	Local Rodies	No of Village panchayats /Blocks	No of House holds	Population	Solid Waste Generated per day	
8	Block/Taluka/ Mandal/Tehsils/ Village/Gram Panchayats	394	222226	1011626	210	
	Total	1610184	457.83 TPD			

b. Identification of gaps and Action plan

1. Segregation

S. No.	Action points For villages	Responsibl e agencies		Identification of gap Action Plan						Timeline for completion	
	/blocks/ town municipalitie s / City corporations		MC Karnd	MC Nilokhe i i	MC Nissing	MC Taraor i	MC Assandh	MC Indri	MC Gharaunda	DDPO	of action plan
(i)	Segregation of waste at source	• ULB • DDPO	• Yes	100 %, Targ	get achieve	ed by all M(Es			No – 40 % achieved Target – date31.03.20 24	Target dat e for DDPO is 31.03.2024.

2. Sweeping

S. No.	Action points For villages	Responsibl e agencies			Ide	entificatio	n of gap A	action Plan			Timeline for completion
	/blocks/ town municipaliti e s / City corporation s		MC Karnd	MC Nilokheii	MC Nissing	MC Taraor i	MC Assandh	MC Indri	MC Gharaunda	DDPO	of action plan
(i)	Manual Sweeping	• ULB • DDPO	Manual Sweep of STPs will be suppress the d	utilized	for sprinkli		-		ited wastewater roads to	Regular sweeping by village Safai karamchari	Target achieved.
(ii)	Mechanical Road Sweeping & Collection	• ULB • DDPO	MC Karnal- 01 sweeping machine has been deployed by MC Karnal for Mechanical Road Sweeping (01 more Mechanical Sweeping machine required for more efficiency -	twicein a Treated sweepin	a day time ai	nd once in r of STPs wil	ight time. l be utilized	for sprinkling	obe carried out g purposes before	Regular sweeping by village Safai karamchari	Target achieved.

The		
estimated		
cost is Rs. 76		
Lacs. The		
proposal for		
funds to be		
utilized from		
Environmen		
Compensation		
n funds has		
been made		
and in		
process)		

3. Waste Collection

S. No	Action points For villages				Iden	tification of g	ap Action Pl	an			Timeline For completio
	/blocks/ town municipalit ie s / City corporatio ns	Responsibl e agencies	MC Karnd	MC Nilokheii	MC Nissing	MC Taraor i	MC Assandh	MC Indri	MC Gharaunda	DDPO	n of action plan
(i)	100% collection of solid waste	•ULB •DDP 0	Yes , 100 % Target Achieved (Total Solid Waste generated is 180 TPD)	Yes, 100 % Target Achieve d (Total Solid Waste generatedis 11.32 TPD)	100 % Target Achieved (Total Solid Waste generated is 11TPD)	Yes, 100 % Target Achieved (Total Solid Waste generatedis 12.50 TPD)	100 % Target Achieved (Total Solid Waste generated is 10TPD)	Yes, 100 % Target Achieved (Total Solid Waste generated is 8.51 TPD)	100 % Target Achieved (Total Solid Waste generated is 22.5 TPD)	40 % achieve dTarget - Date is 31.03.2024 (Total Solid Waste generated is210 TPD)	100 % Target Achieved by all MC's & Target date for DDPO is 31.03.2024
(ii)	Arrangement for door to door collection	•ULB •DDP O	• Yes-100%, MC Karnal has 118 self-owned collection vehicles to collect door to door garbage and besides this Private Agency is also engaged for waste Collection from D2D Collection	compartment additional co	ts with each	ction done by all door to door so at each MRF site	lid waste colle	cting vehicle a		40 % achieved Target – Date is 31.03.2024	100 %Target Achieved byall MC's & Target date for DDPO is 31.03.2024.

(iii)	Waste Collection trolleys with separate compartments	•ULB •DDPO	21 Tractor trolley with separate compartments are deployed by MC Karnal. The GPS system has been provided.	2 Tractor Trolley with separate compartm ents & are adequate. The GPS system has	1Tractor Trolley & 4 no. of tipper with separate compartmen tsare adequate. The GPS	02 Tractor Trolley with separate compartments & are adequate. The GPS system has been provided	2 Tractor Trolley with separate compartmen t s& are adequate. The GPS system has been	Trolley with separate compartment s & are adequate. The GPS	2 Tractor Trolley with separate compartmen t & are adequate. The GPS system has	470 tricycles are available with separate compartmen t & are adequate.63 Ovehicles are required.	Target achieved.
				been provided.	system has been provided		provided.	system has been provided.	been provided.	The GPS system has been provided.	
(iv)	Mini Collection Trucks with separate compartments	•ULB •DDPO	compartmentalized in four sections with GPS system has been deployed by MC Karnal.	4 Mini Collection Trucks with separate compartme nt. The GPS system has been provided.	compartmen t s & 15 tricycles. The GPS system has been provided.	21 No. of compartmental i zed vehicles. The GPS system has been provided.	with separate compartment. The GPS system has Been provided.	separate compartme nts. The GPS system has been provided	18 with separate compartment. The GPS system has Been provided.	124 no. with separate compartmen ts & 346 are required. The GPS system has been provided.	achieved.
(V)	Waste Deposition centers (for domestic hazardous wastes)	•ULB •DDPO	In order to collect domestic hazardous waste from door to door from all the wards of the MCs, there is need to add 01 additional compartment with door to door waste collection vehicles and 01 additional compartment is required to be added at material recovery facility site and directed that said additional	In order to collect domestic hazardous waste from door to door from all the wards of the MCs, there is need to add 01 additional compartme nt with door to	In order to collect domestic hazardous waste from door to door from all the wards of the MCs, there is need to add 01 additional compartmen t with door to door waste collection vehicles and	need to add 01	In order to collect domestic hazardous waste from door to door from all the wards of the MCs, there is need to add 01 additional compartment with door to door waste collection vehicles and 01 additional	In order to collect domestic hazardous waste from door to door from all the wards of the MCs, there is need to add 01 additional compartment with door to door waste collection vehicles and 01 additional	In order to collect domestic hazardous waste from door to door from all the wards of the MCs, there is need to add 01 additional compartment with door to door waste collection vehicles and 01 additional	In order to collect domestic hazardous waste from door to door from all the wards of the MCs, there is need to add 01 additional compartmen t with door to door waste collection vehicles and 22	

				•	•	-			-
	compartment with			compartment	compartment	compartment	compartment	01 additional	
	each door to door	collection		is required to	is required to	is required to	is required to	compartmen	
	solid waste	vehicles	t is required	be added at	be added at	be added at	be added at	t is required	
	collecting vehicles	and 01	to be added	material	material	material	material	to be added	
	and 01 additional	additional	at material	recovery	recovery	recovery	recovery	at material	
	compartment at	compartme		facility site and		facility site	facility site and		
	material recovery	nt is	facility site	directed that	and directed	and directed	directed that	facility site	
	facility of each MC.		and directed			that said	said additional		
	Target date is	be added at		compartment	additional	additional	compartment	that said	
	30.09.2022 , (Revised	material	additional	with each door	compartment	compartment	with each door	additional	
	Target date is	recovery		to door solid	with each	with each	to door solid	compartmen	
	31.03.2024)	facility site	t with each	waste	door to door	door to door	waste	t with each	
	,	and	door to door		solid waste	solid waste	collecting	door to door	
		directed	solid waste	vehicles and 01		collecting	vehicles and 01		
		that said	collecting	additional	vehicles and	vehicles and	additional	collecting	
		additional	vehicles and		01 additional	01 additional	compartment	vehicles and	
		compartme	01 additional	at material	compartment	compartment	at material	01 additional	
		nt with	compartmen	recovery	at material	at material	recovery	compartmen	
		each door	t at material	facility of each	recovery	recovery	facility of each	t at material	
		to door	recovery	MC. Target date	facility of	facility of each	MC. Target date	recovery	
		solid waste	facility of	is	each MC.	MC. Target date	is	facility of	
		collecting	each MC.	30.09.2022,	Target date is	is	30.09.2022,	each MC.	
		vehicles	Target date is	(Revised Target	30.09.2022,	30.09.2022,	(Revised Target	Target date is	
		and 01	30.09.2022,	date is	(Revised	(Revised	date is	30.09.2022,	
		additional	(Revised	31.03.2024)	Target date is	Target date is	31.03.2024)	(Revised	
		compartme		01.00.2021)	31.03.2024)	31.03.2024)	01.00.2021)	Target date	
		nt at	is		01.00.2021)	01.00.2021)		is	
		material	31.03.2024					31.03.2024	
		recovery)						
		facility of	J)	
		each MC.							
		Target date							
		is							
		30.09.2022,							
		(Revised							
		Target date							
		is							
		31.03.202							
		4)							

4. Waste Transport

S. No.		Responsible agencies]	dentifica	tion of ga	ap Actio	n Plan				Timeline for completion
	/blocks/ town municipalitie s / City corporations		MC Karnd	MC Nilokheii	MC Nissing	MC Taraor i	MC Assandh	MC Indri	MC Gharaunda	DDPO	of action plan
(i)	Review existing infrastructure re for waste Transport.	•ULB •DDPO	For primary collection: 118 Tippers owned by MC karnal, 235 Tricycles. Secondary collection: 21-Tractor trolley, 06 Nodumper placer, 04 Norefuse compactors.	4 (2 Tractor Trolley) 2 Tricycles	5 motorize d, 15 tricycles	18	7	6 no. (4 No. Tata Ace 2 No. Tractor Trolley)	8 Motorize d 10 Rickshaw	are available	100 % Target Achieved by all MC's & Target date for DDPO is 31.03.2024
(ii)	Bulk Waste Truck	•ULB •DDPO	118 Tippers owned by MC	Not required	Not required	Not require d	Not required	Not required	Not required	date is 31.03.202 4	100 % Target Achieved by all MC's & Target date for DDPO is 31.03.2024

(iii)	Waste	•ULB	3 Nos of Waste Transferpoints are	Not	Not	Not	Not	Not	Not	Not	Target date is
	Transfer	•DDPO	available	required	required	requir	required	required	required	required	31.12.2023
	points		MC will provide boundary wall			ed					
			along with plantation around waste								
			transfer points for its aesthetic								
			view for the passerby (05 No. Two								
			wheel drive power operated								
			tractors are also required for								
			more efficiency - The estimated								
			cost is Rs. 40 Lacs and 40								
			thousand The proposal for								
			funds to be utilized from								
			Environment Compensation								
			funds has been made and in								
			process).								
			All the MC's will make agreement	with BWGs	for manag	gement of	f dry waste	by 31.12.2	2022		
						-	-	-			

5. Waste Treatment and Disposal

S. No.	Action points For villages	Responsibl e agencies			Iden	tification of	gap Action l	Plan			Timeline for completion
	/blocks/ town municipalitie s / City corporations	nsibl ncies	MC Karnd	MC Nilokhen	MC Nissing	MC Taraor i	MC Assandh	MC Indri	MC Gharaunda	DDPO	of action plan
(i)	Wet-waste Management: On-site composting by bulk waste generators (Authority may decide on requirement a s per Rules)	ULB DDPO	 Yes, 22 Nos of bulk waste generators manage their waste by their self by converting wet waste in compost using mechanis m. Already Done onsite compostin g. MCs will make necessary agreement for collection, transportation and 	• Yes, 6 Nos of bulk waste generators identified in city which manage their waste by theirself by converting wet waste in compost using compost pit mechanism & to Pig Farms. Already Done on site compostin g.	• Yes,14 Nos of bulk waste generators identified in city (waste generated 15to 20 kg per day) which manage theirwaste by their self by converting wet waste incompost using compost pit mechanis m & to Pig Farms.	• There is no bulk waste generator who generates waste 50 Kg. or more. However are generating 10Kg waste perday. MCs will make necessary agreement for collection, transportati on and treatment of dry waste with each	Nos of bulk waste generators identified in	• Yes, 11 Nos of bulk waste generators identified in city which manage theirwaste by their self by converting wet waste in compost using compost pit mechanism & to Pig Farms. Already Done on site composting.	• Yes, 19 Nos of bulk waste generators identified in city which manage their waste by theirself by converting wet waste in compost using compost pit mechanism & to Pig Farms. Already Done on site compostin	. The DDPO will make necessary agreement for collection, transportation and treatment of dry waste with each bulk waste generator with suitable user charges to be paid by DDPO to the BWGs existing within DDPO Juridiction.	(Revised Target date is 31.12.2023)

			treatment of dry waste with each bulk waste generator with suitable user charges to be paid by MCs to the BWGs existing within MC	. The MC willmade agreement withBulk waste. Target date is 31.03.2024 MCs will make necessary agreement for collection, transportatio n and treatment of dry waste with each bulk waste generator with suitable user charges to be paid by MCs to the BWGs existing within MC	MCs will make necessary agreement for collection, transportati on and treatment of dry waste with each bulk waste generator with suitable user charges to be paid by MCs to the BWGs existing within MC	bulk waste generator with suitable user charges to be paid by MCs to the BWGs existing within MC	make necessary agreement for collection, transportati on and treatment of dry waste with each bulk waste generator with suitable user charges to be paid by MCs to the BWGs existing within MC	. MCs will make necessary agreement for collection, transportati on and treatment of dry waste with each bulk waste generator with suitable user charges to be paid by MCs to the BWGs existing within MC	g MCs will make necessary agreement for collection, transportatio n and treatment of dry waste with each bulk waste generator with suitable user charges to be paid by MCs to the BWGs existing within MC		
(ii)	Wet-waste Management: Facilities for central Biomet hanation / Composting of wets waste.	ULB DDPO	• 3Nos Composti ng Pits constructe d for Wet Waste Managem ent.Quanti ty of wet waste generated (in TPD) is	• 6Nos Composting Pits constructed for Wet Waste Management / No Biometha nation is wet	• 6Nos Composting Pits constructed for Wet Waste Manageme nt / No Biomethana tion is wet waste systemis	• 10 Nos Composting Pits constructed for Wet Waste Managemen t / No Biometha nation is	• 48 Nos Composting Pits constructed for Wet Waste Manageme nt / No Biomethana tion is wet waste systemis	• 27 Nos Composting Pits constructed for Wet Waste Manageme nt / No Biomethana tion is wet waste systemis	• 20 Nos Composting Pits constructed for Wet Waste Managemen t / No Biometha nationis	• 290 Nos Compost ing Pits construct ed for Wet Waste Manage ment / No Biometh anationis wet waste system is	Target date is 31.03.2024

86	6. waste	available	wet	available	available	wet	available	
	Biomet system is	• Quantit	waste	• Quantit	• Quantit	waste		
	a nation available	y of wet	system is	y of wet	y of wet	system is	Quantity of	
	cility Quantity of	waste	available	waste	waste	available.	wet waste	
	installed wet waste	generated	Quanti	generated	generated	• Quanti	generate d	
	generated (n Garannia (ty of wet	(inTPD) is 6.	(inTPD) is	ty of wet	(in TPD) is	
	11 0) 13 0.00	• • • • • •		(11111 D) 13 0.	5.51.		168.	
	aste Target date 31.03.202		waste		3.31.	waste	•Yes,	
	anageme ,,		generated			generated	Biometh	
nt.		Biomethan	(inTPD) is	Yes,		(inTPD) is	anation	
•	compos Biomethan		8.	Biomethan	Yes,	13.	facility tobe	
I I I I I I I I I I I I I I I I I I I	oits tion facilit		• Yes,	ation	Biomethan	• Yes,	installed for	
_	rovided by to be	be	Biomethan	facility to	ation	Biomethan	wet waste	
	ich MC for installed f		ation	be installed	facility to	ation	manage	
	anagemen wet waste	for wet	facility to	for wet	be installed	facility to	ment	
	of wet • compo	s waste.	be installed	waste.	for wet	be installed		
	aste will t pits	compost	for wet	• compos	waste.	for wet	yet not	
	e operated provided b	1	waste.	t pits	• compos	waste.	initiated,	
	ientifically each MC for	1 1/0 6	compo	provided by	t pits	• compo	Target date	
	proper manageme	managaman	st pits	each MC for	provided by	st pits	is 31.03.202	
	of wet was	t of wet	provided by	managemen	each MC for	provided by	• 3	
	cord	waste will	each MC for	t of wet	managemen	each MC for	 compost 	
	ontioning	be operated	managemen	waste will	t of wet	managemen	pits provided	
	o quantity		t of wet	be operated	waste will	t of wet	by DDPO for	
	wet weste	in proper manner and	waste will	scientifically	be operated	waste will	management	
	it into the	proper	be operated	in proper	scientifically	be operated	of wet waste	
1 1 1 -	proper	record,	scientifically	manner and	in proper	scientifically	will be	
pit	te l'ecoru,	mentioning	in proper	proper	manner and	in proper	operated	
1 1 1 -	nantity of mentioning the quantit	the qualitity	manner and	record,	proper	manner and	scientifically	
	anure of wet was	_	proper	mentioning	record,	proper	in proper	
pro	oduced put into the	[*]	record,	the quantity	mentioning	record,	manner and	
fro	om compost	pits,	mentioning	of wet waste	the quantity	mentioning	proper	
pro	rocessing pits, quanti	quantity of	the quantity	put into the	of wet waste	the quantity	record,	
of	wet of manure	manure	of wet waste	compost	put into the	of wet waste	mentioning	
wa	aste, produced	produced from	put into the	pits,	compost	put into the	the quantity	
	produced	11 0111	compost	quantity of	pits,	compost	of wet waste	28 Pag

			quantity of manure sold to the farmers or distributed free of cost among the society or utilized in the parks as manure, may be maintained by the MC	from processing of wet waste, quantity of manure sold to the farmers or distributed free of cost among the society or utilized in the parks as manure, may be maintained by the MC	processing of wet waste, quantity of manure sold to the farmers or distributed free of cost among the society or utilized in the parks as manure, may be maintained by the MC	pits, quantity of manure produced from processing of wet waste, quantity of manure sold to the farmers or distributed free of cost among the society or utilized in the parks as manure, may be maintained by the MC	manure produced from processing of wet waste, quantity of manure sold to the farmers or distributed free of cost among the society or utilized in the parks as manure, may be maintained by the MC	quantity of manure produced from processing of wet waste, quantity of manure sold to the farmers or distributed free of cost among the society or utilized in the parks as manure, may be maintained by the MC	pits, quantity of manure produced from processing of wet waste, quantity of manure sold to the farmers or distributed free of cost among the society or utilized in the parks as manure, may be maintained by the MC	put into the compost pits, quantity of manure produced from processing of wet waste, quantity of manure sold to the farmers or distributed free of cost among the society or utilized in the parks as manure, may be maintained by the DDPO	
(iii)	Dry-Waste Management: Material Recovery for dry-waste fraction	ULB DDPO	Yes 3 No. MRF is available and in operation. Quantity of dry waste generated is 94 TPD.	01 MRF Centre is installed on Site. Quantity of dry waste generatedis 5.24 TPD.	01 MRF Centre is installed on Site. Quantity of dry waste generated is 5TPD.	01 MRF Centre is installed on Site. Quantity of dry waste generatedis 4.5 TPD.	01 MRF Centre is installed on Site. Quantity of dry waste generated is 4TPD.	01 MRF Centre is under construction. Quantity of dry waste generated is 3TPD.	01 MRF Centre is installed on Site. Quantity of dry waste generatedis 6 TPD.	58 MRF Centre is installed on Site & for remaining 278no., (Revised Target date is 31.03.2024) Quantity of dry waste generated is 42 TPD.	Target date is 31.03.2024)

(iv)	Disposal of inert and no recyclable wastes: Sanitary Landfill	ULB DDPO	01 no. of sanitary landfill is available at SWM plant, Vill: Shekhpura, Meerut road, Karnal. The target date of construct/d evelop scientifically by 31.03.2024	MC,s may i scientifical		dump site. No e site for devel 24.				developed	Plan for identifying sanitary land fills arrangement. Construct/develop scientifically by 31.03.2024
(v)	Remediation of historic /legacy dumpsite	ULB DDPO	Dumping site at Vill: ShekhpuraM errut Road, Area- 8 Acre. Initial Quantity of legacy waste dumped at the dumpsite 95022 (MT). Out of which 48331 MT has been bioremediated	Dumping site atKali Mata Mandir Road ward No.6 Nilokheri. Quantity of legacy waste dumped at the dumpsite 11000(MT), 11000 MT has been bio- remediated	Near Mata SundriKhals aGirls College, Nissing Quantity of legacy waste dumped at thedumpsite 15000 (MT)which has been been processed byMC Nissing.	Near Power House, Nadana Road, Taraori (4 acre) Quantity of legacy waste dumped at the dumpsite 8766(MT), 8766 MT has been bio- remediated	Near Sabji, Kanchi GateJind Road Assandh Quantity of legacy waste dumped at thedumpsite 22300 (MT), 15300 MT has been bio- remediated	All legacy waste dump onold dumping site near Indri bye pass road. Quantity of legacy waste dumped at the dumpsite 3000(MT), 3000 MT has been bio- remediated	Dumping site atVillage Bagampur Quantity of legacy waste dumped at the dumpsite 20236.96 (MT). 20236.96 MT has been biorremediated	NA	(Revised Target date is 31.12.2023)

			during remedia		vaste may be dis	oy each MC and t posed of in an e					
(vi)	involvement of NGOs	ULB DDPO	Yes the campaign with the help of NGO to aware the citizens about solid waste mgt started and various awareness activities conducted. All the MCs will identify NGO's/RWAs existing in their area by 31.8.2022 and NGO's/RWA may be involved in various activities of solid waste management	Yes the campaign with the help of NGO to aware the citizens about solid waste mgt started and 6 no awareness activities conducted. All the MCs will identify NGO's/RWAs existing in their area by 31.8.2022 and NGO's/RWA may be involved in various activities of solid waste management	Yes the campaign withthe help of Saksham Yuva& Motivators. They awarethe citizens about solid waste mgt Regularly. All the MCs will identify NGO's/RWA s existing in their area by 31.8.2022 and NGO's/RWA may be involved in various activities of solid waste managemen t	Yes the campaign with the help of NGO to aware the citizens about solid waste mgt started and 4 no awareness activities conducted. All the MCs will identify NGO's/RWAs existing in their area by 31.8.2022 and NGO's/RWA may be involved in various activities of solid waste management	Yes the campaign withthe help of NGO to awarethe citizens about solid waste mgt started and 3 no awareness activities conducted. All the MCs will identify NGO's/RWAs existing in their area by 31.8.2022 and NGO's/RWA may be involved in various activities of solid waste management	Yes the campaign withthe help of NGO to awarethe citizens about solid waste mgt started and 3 no awareness activities conducted. All the MCs will identify NGO's/RWAs existing in their area by 31.8.2022 and NGO's/RWA may be involved in various activities of solid waste management	Yes the campaign with the help of NGO to aware the citizens about solid waste mgt started and 5 no awareness activities conducted. All the MCs will identify NGO's/RWAs existing in their area by 31.8.2022 and NGO's/RWA may be involved in various activities of solid waste management	Time to time conducted in each village of District Karnal through Swachata Doots, Motivators and SakshamY uvas being conducted. DDPO will identify NGO's/RWAs existing in their area by 31.8.2022 and NGO's/RWA may be involved in various activities of solid waste management	Target achieved.

rand owner initiated. Presently No ERP Producer initiated. Presently No ERP Producer initiated. Identification of EPR producer/B rand owners is under process. All the identified producers/brand owners may make agreement with an authorized plastic waste process. All the identification of EPR producer/Brand owners is under process. All the identified producers/brand owners may make agreement with an authorized plastic waste process. All the identified producers/brand owners may make agreement with an authorized plastic waste process. All the identified producers/brand owners may make agreement with an authorized plastic waste process. All the identified producers/brand owners may make agreement with an authorized plastic waste process. All the identified producers/brand owners may make agreement with an authorized plastic waste process. All the identified producers/brand owners may make agreement with an authorized plastic waste to the agency engaged by brand owners is under process. [viii] Authorization of Waste Pickers are registered as per guide lines ergistered lines of waste pickers picke	(vii)	EPR of Producers: Linkage with Producers / Brand Owners	ULB DDPO	 Yes action plan for linkage of producer/b 	 Yes action plan for linkage of producer/ 	 Yes action plan for linkage of producer/ 	 Yes action plan for linkage of producer/ 	 Yes action plan for linkage of producer/ 	 Yes action plan for linkage of producer/ 	 Yes action plan for linkage of producer/ 	Yes action plan for linkage of producer /brand	(Revised Target date is 31.12.2023
extended producers responsibility and all MCs may start sending plastic waste to the agency engaged by brand (viii Authorization of Waste Pickers Pickers are registered as per guide lines				rand owner initiated. Presently No ERP Producer is identified Identifica tion of EPR producer/ Brand owners is under	brand owner initiated. Identificatio n of EPR producer/B rand owners is under	brand owner initiated. Identificatio n of EPR producer/Br and owners isunder	brand owner initiated. Identificatio n of EPR producer/B rand owners is under	brand owner initiated. Identificatio n of EPR producer/Br and owners isunder	brand owner initiated. Identificatio n of EPR producer/Br and owners isunder	brand owner initiated. Identificatio n of EPR producer/B rand owners is under	owner initiated. Identification of EPR producer/ Brand owners is under	
Of Waste Pickers Nag Pickers are registered as per guide lines List of waste pickers are registered as per guide lines of waste pickers of waste pickers are registered as per guide lines of waste pickers of waste pickers are registered as per guide lines of waste pickers of waste pickers of waste pickers are registered as per guide lines of waste pickers of waste pickers of waste pickers are registered as per guide lines of waste pickers of waste pickers of waste pickers of waste pickers are registered as per guide lines of waste pickers of waste pickers of waste pickers are registered as per guide lines of waste pickers of waste pickers are registered as pickers of waste pickers are registered as pickers of waste pickers are registered as per guide lines of waste pickers of waste pickers are registered as per guide lines of waste pickers of waste pickers are registered as per guide lines of waste pickers of waste pickers are registered as per guide lines of waste pickers o				extended produ	cers responsibil		_		-		<u>-</u>	
Already Already Already Already Already Already Already Already	(viii	of		Rag Pickers are registered as per guide lines • List of waste	Rag Pickers are registered as per guide lines • List of waste pickers	Segregation, by Agency itself & 14 Nos of waste picker have already registered withMC	Rag Pickers are registered as per guide lines List of waste pickers	Rag Pickers are registered asper guide lines List of waste pickers	Rag Pickers are registered asper guide lines List of waste pickers	Rag Pickers are registered as per guide lines List of waste pickers	Target date for DDPO is	Target date for DDPO is 31.03.2024

				Prepare d.		Prepare d.	Prepared	Prepared	Prepare d.		
(ix)	Preparation of own by-laws to comply with SWM Rules 20L6	ULB DDPO	 Yes, Bye Laws has been notified and published in Newspape rs. 	 Yes, Bye Laws has beennotified and published in Newspapers . 	 Yes, Bye Laws has been notifiedand published in Newspapers 	 Yes, Bye Laws has beennotified and published in Newspapers . 	 Yes, Bye Laws has been notified and published in Newspapers 	 Yes, Bye Laws has been notified and published in Newspapers 	 Yes, Bye Laws has beennotified and published in Newspapers . 	NA, Target date for DDPO is 31.03.2024	Target date for DDPO is 31.03.2024
(X)	Number of compost pits provided for processing and management of Horticulture waste	ULB DDPO	Around 90 Number of compost pits provided for processing and management of Horticulture waste.	6 Number of Compost pits provided for processing and management ofHorticulture waste.	No Parks in MC Nissing. Horticulture waste in institutes processed by institutes itself	10 Number of compost pits provided for processing and manageme nt of Horticultu re waste.	48 Number of compost pits provided for processing and managemen t of Horticulture waste.	27 Number of compost pits provided for processing and managemen t of Horticulture waste.	20 Number of compost pits provided for processing and manageme nt of Horticultu re waste.	290 Number of compost pits provided for processing and manageme nt of Horticultur e waste.	Target already achieved.
			manner. A pro manure produ	per record, men ced from proces	ntioning the quassing of wet wa	ement of wet wa antity of wet wa aste, quantity of e parks as manu	ste taken into tl manure sold to	he compost pits the farmers or	quantity of distributed		
(Xi)	Identification of garbage vulnerable points (GVPs)	ULB DDPO	Garbage vulnerable points (GVPs) Are identified and removed, regularly. All the existing garbage	Total No. of GVPs Identified is 03 no. All the existing garbage vulnerable points identified by	Total No. of GVPs Identified is 02no. which has been removed. All the existing garbage	All the GVPs have been removed. All the existing garbage vulnerable points identified	Total No. of GVPs Identified is 06no. All the existing garbage vulnerable points	Total No. of GVPs Identified is 06no. All the existing garbage vulnerable points	Total No. of GVPs Identified is 02 no. All the existing garbage vulnerable points identified by	All the existing garbage vulnerable points identified by each MC will be removed by 31.7.2022 and new GVPs will	Target date is 31.12.2023

			vulnerable points identified by each MC will be removed by 31.7.2022 and new GVPs will be identified by each MC by 31.7.2022 and these new GVPs will be removed by 31.8.2022 and the placed vacated after removal of garbage vulnerable points may be converted into useful usage like sitting places, parks, green belts, play grounds etc by 31.12.2023	be identified by each MC by	points identified by each MC will be removed by	these new GVPs will be removed by 31.8.2022 and the placed vacated after removal of garbage vulnerable points may be converted into useful usage like sitting places, parks, green belts, play grounds etc. by	identified by each MC will be removed by 31.7.2022 and new GVPs will be identified by each MC by 31.7.2022 and these new GVPs will be removed by 31.8.2022 and the placed vacated after removal of garbage vulnerable points may be converted into useful usage like sitting places, parks, green belts, play grounds etc. by 31.12.2023	identified by each MC will be removed by 31.7.2022 and new GVPs will be identified by each MC by 31.7.2022 and these new GVPs will be removed by 31.8.2022 and the placed vacated after removal of garbage vulnerable points may be converted into useful usage like sitting places, parks, green belts, play grounds etc. by 31.12.2023	each MC will be removed by 31.7.2022 and new GVPs will be identified by each MC by 31.7.2022 and these new GVPs will be removed by 31.8.2022 and the placed vacated after removal of garbage vulnerable points may be converted into useful usage like sitting places, parks, green belts, play grounds etc. by 31.12.2023	be identified by each MC by 31.7.2022 and these new GVPs will be removed by 31.8.2022 and the placed vacated after removal of garbage vulnerable points may be converted into useful usage like sitting places, parks, green belts, play grounds etc. by 31.12.2023	
(xii)	No. of parks within Municipal limits, No. of compost pits required in Parks., No. of compost pits provided in the parks.	ULB DDPO	nos. compost	21 nos. of parks provided, 21 compost pits required & 25 nos. compost pits provided. There is no gap.	0 no. of parks provided	1 no. of parks provided, 3compost pits required &3 nos.compost pits provided. There is no gap.	3compost pitsrequired	2 nos. of parks provided, 2compost pitsrequired &2 nos. compost pits provided. There is no gap.	2 nos. of parks provided, 2compost pits required &2 nos.compost pits provided. There is no gap.	80 nos. of parks provided, 60 compostpits required &60 nos. compost pits provided. There is no gap.	Target achieved.

Legacy Waste Management

Remediation and Reclamation of Existing Dumps Sheikhpura Plant, Municipal

Corporation, Karnal

Name of Agency : M/s Shree Shyam Associates, H. No. 4386, Defence

Colony, Jind(Haryana)

Area of legacy land : 08 Acre

Date of commencement : 31 Mar 2021

Actual date of start of work : 16 Aug 2021
Time line to complete the work : 31 May 2022

31 May 2022 (Previously)

Brief Scope of work : Legacy waste required to be processed = 95,022.60MT Till

date approx. 90,800 ton waste processed, It will be completed by 31.12.2023.





Quantity of Legacy Waste dumped at dump site and quantity of legacy waste remediated by each MC of District Karnal is mentioned as under:-

Sr. No.	Name of ULB/MC	Total Quantity of waste Legacy waste (MT)	Quantity of waste Legacy waste remediated (MT)
1.	Assandh	22300	22300
2.	Gharaunda	20236	20236
3.	Indri	3000	3000
4.	Karnal	95022	90,800
5.	Nilokheri	11000	11000
6.	Nissing	15000	15000
7.	Taraori	8766	8766

Whole of the legacy waste will be remediated by each MC and the by-products namely bio soil, C&D waste, RDF and inert waste generated during remediation of legacy waste will be disposed of in an environmentally sound manner. The land vacated on account of remediation of legacy waste will be utilized for useful usage. Target date for MC Karnal is 31.12.2023.

Plastic waste Management







Awareness campaign by Leaders

Mobile Bag Bank

Awareness campaign by DLSA & HSPCB





Awareness campaign



(ii) Plastic waste Management

(a) Current status related to Plastic waste management

Sr. No.	Urban Local bodies	Estimated quantity of Plastic Waste Generated per day
1.	Municipal corporation Karnal	4.00 TPD
2.	Municipal Committee Assandh	0.05 TPD
3.	Municipal Committee Gharounda	0.15 TPD
4.	Municipal Committee Nissing	0.04 TPD
5.	Municipal Committee Nilokheri	0.04 TPD
6.	Municipal Committee Taraori	0.03 TPD
7.	Municipal Committee Indri	0.03 TPD
	Total	4.34 TPD

Sr. No.	Local Bodies	Plastic Waste Generated per day
1.	Block/Taluk/ Mandal/Tehsils/	394 wards
2.	Village/Gram Panchayats	1.52 TPD

b. Identification of gaps and Action plan

Sr No.	Action points For villages /blocks/ town	Res			ic	lentification of	gap Action Plan	1			Timeline for
	/blocks/ town municipalities /City corporations	Responsibl e agencies	MC Karnal	MC Nilokheri	MC Nissing	MC Taraori	MC Assandh	MC Indri	MC Gharaunda	DDPO	completio nof action plan
1.	Door to Door collection of drywaste including PW	ULB DDPO	100% door to door collection done. 21 Tractor trolley with separate compartments aredeployed by MC Karnal. The GPS system has been provided.	100% door todoor collection done. 2 Tractor Trolley with separate compartm ents & are adequate. The GPS system has been provided.	100% door to door collection done. 1Tractor Trolley & 4 no. of tipper with separate compartmen ts are adequate. The GPS system hasbeen provided	100% door to door collection done. 02 Tractor Trolley with separate compartments & are adequate. The GPS system has been provided	100% door to door collection done. 2 Tractor Trolley with separate compartment s& are adequate. The GPS system has been provided.	100% door to door collection done. 2 No. Tractor Trolley with separate compartments & are adequate. The GPS system has been provided.	100% doorto door collection done. 2 Tractor Trolley with separate compartment & are adequate.The GPS system hasbeen provided.	Collection	Target Achieved by all MC's & Target date for DDPO is 31.03.2024
2.	Facilitate organized collection of PW at Waste transfer point or Material Recovery Facility	ULB DDPO	 Yes, MRF isavailable and in operation. Yes Involvement of NGO and rag pickers (266). Plastic waste sent 	01 MRF Centre is installed onSite. Yes Involveme ntof NGO and rag pickers (14). Plastic waste sent	01 MRF Centre is installed on Site. Yes Involvemen t of NGO and rag pickers (14 no.). Plastic waste sent toCement	01 MRF Centre is installed on Site. Yes Involvemen t of NGO and rag pickers (14). Plastic waste sent toCement Plant for co	01 MRF Centre is installed onSite. •Yes Involvement ofNGO and rag pickers. Plasticwaste sent to	01 MRF Centre is under construction . Target dateis 31.03.2024. Yes Involvem ent of NGO and rag pickers. Plastic waste sent to	01 MRF Centre is installed on Site. Yes Involvemen tof NGO and rag pickers (15). Plastic waste sent to Cement Plant for co	58 MRF Centre is installed on Site & for remaining 278, the target date is 31.03.2024 •Yes Involve ment of 39	The target date for DDPO is 31.03.2024

			to Ambuja Cement Plant for co processing under EPR by Rekaert innovation Pvt. Ltd.	to Cement Plant for co processing • 6 no awareness activities conducted. Tracing of recycler/ Brand owner is in progress.	awareness activities conducted. Tracing of recycler/ Brand owner is in progress	•4 no awareness activities conducted. Tracing of recycler/ Brand owner is in progress	Cement Plantfor co processing. 3 no awareness activities conducted. Tracing of recycler/ Brand owner is in progress	Cement Plant for co processin g • 3 no awareness activities conducted. Tracing of recycler/ Brand owner is in progress.	•5 no awareness activities conducted.Tr acing of recycler/ Brand owneris in progress	NGOand rag pickers. Time to time conducted in each village of District Karnal through Swachata Doots, Motivators and SakshamY uvas being conducted. Tracing of recycler/Brand owner is in progress	
3.	PW collection Centres	ULB DDPO	4	1	1	1	1	1	1	0	The target date for DDPO is 31.03.2024
4.	Awareness andeducation programs implementation	ULB DDPO	Yes Initiatedfor IEC, 15 no. Awareness programme s and Campion conducted to avoid use of Plastic in	Yes Initiated for IEC, 06 no. Awareness programmes and Campion conducted to avoid use of Plastic in routine life to minimise	Yes Initiated for IEC, 03 no. Awareness programmes and Campion conducted to avoid use of Plastic in routine life to minimise Plastic Waste.	Yes Initiated for IEC, 04 no. Awareness programmes and Campion conducted to avoid use of Plastic in routine life to minimise Plastic Waste.	Yes Initiated for IEC, 03 no. Awareness programmes andCampion conducted to avoid use of Plastic in routinelife to minimise Plastic Waste.	Yes Initiatedfor IEC, 03 no. Awareness programmes and Campion conducted to avoid use of Plastic in routine life to minimise Plastic Waste.	Yes Initiatedfor IEC, 05 no. Awareness programme sand Campion conducted to avoid use of Plastic in routine life tominimise Plastic Waste.	Time to time IEC/Awar eness conducted in each village of District Karnal through Swachata40	There is no time frame as it is the regular process.

			routine life to minimise Plastic Waste. ➤ Total No. of Challans issued on violators till date = 147 nos. Total Amount of fine collected= 165000	Plastic Waste. ➤ Total No. of Challans issued on violators till date =104 ➤ Total Amount of fine collected = 41450	➤ Total No. of Challans issuedon violators till date =140. Total Amount of finecollected = 70000/-	on violators till date =62. Total Amount of finecollected = 31000	➤ Total No. of Challans issuedon violators till date =192. ➤ Total Amount of fine collected = 186200	➤ Total No.of Challans issued on violators till date =87. ➤ Total Amount of fine collected = 62000	➤ Total No.of Challans issued on violators till date =367. ➤ Total Amount of fine collected =183500	Doots, Motivators and Saksham Yuvas	
5.	Access to Plastic Waste Disposal Facilities	ULB DDPO	_		04 tippers, 01 Tractor Trolleys, and 15 Tri cycle forcollection of segreated waste. horized plastic wassing of plastic was	•	_		02 Tractor Trolleys, 6 trippers, 1 JCBfor collection of segreated waste. make agreement versus agreement ve	Provided to Singla Plastic &Local garbage vender	Target date is 31.01.2024

C & D Waste Management

- <u>Statistics</u>
- ➤ 28.9 MT per day generated in Urban Areas
- ➤ 01 MT Per day generated in Rural Areas
- Steps by District Administration
- > Separate collection sites for C & D sites (3 sites) -
- > Landfill
- Designated vehicles for collection of C & D waste
- ➤ Helpline No. issued 1800-180-2700
- ➤ Rates has been fixed for collection(Capped @
- ➤ 1000/trolley)
- Unclaimed C & D waste picked up by MC, Karnal Free of cost





(iii). C & D Waste Management

(a) Current status related to C & D Waste

Details of Data	Responsible agencies			ideı	ntification of Plan	f gap Action				Timeline for completion
Requirement	J	MC Karnal	MC Nilokheri	MC Nissing	MC Taraori	MC Assandh	MC Indri	MC Gharaunda	DDPO & HSVP	ofaction plan
Total C & D waste generation in MT per day (As per data from Municipal Corporations / Municipalities)	ULB DDPO	25	0.7	0.1	0.1	1	1	1	NA	NA
Does the District has access to C&D Waste recycling facility?	ULB DDPO	Yes For the Collection of C&D waste McKarnal has established a helpline. Besides this dedicated collection vehicles to collect C&D waste in MC area	Yes Presently C&D waste is being used to fill low laying area.	Yes Presently C&D waste is being used to fill low layingarea.	Yes Presently C&D waste is being used to fill low layingarea.	Yes Presently C&D waste is being used to fill low layingarea.	Yes Presently C&D waste is being used to fill low laying area.	Yes Presently C&Dwaste is being used to fill lowlaying area.	Yes Presently C&D waste is being used to fill low laying area.	NA

ь. Identification of gaps and Action plan:

	Sr .	Action	R e e				identification o	f gap & action				Timeline		
N	o po	oints For	Respoi e agenc		plan for t									
-	mui	villages plocks/ town micipaliti es / corporations	Responsibl P agencies	MC Karnal	MC Nilokheri	MC Nissing	MC Taraori	MC Assandh	MC Indri	MC Gharaunda	DDPO & HSVP	tion of action plan		
1	for so colle C&D C&D	ingement eparate ection of waste to waste osition it.	ULB DDPO HSVP	Yes For the Collection of C&D waste McKarnal has established a helpline. Besides this dedicated collection vehicles to collect C&D waste in MC area. Site identified for C&D waste deposition are near Kachwa Road Salughter House, Karnal Sector-32 Low Line Area Pingali Road Low lying Area.	• Collection of C&D waste separately. Site identified for C&D waste deposition Tractor Trolly is available for C&D waste collection & Transpor tation at deposition at deposition is site (low lying area). • Dumped at Kali Mata Mandir Road Ward, No.6, Nilokheri	Yes 1. Collection of C&D waste separately. Site identified for C&D waste deposition 2. Tractor Trolly is available for C&D waste collection 3. Yes, Near Mata Sundrikh alsa Girls College, Nissing	Yes 1.Collection ofC&D waste separately. Site identifiedfor C&D waste deposition 2.Tractor Trollyis available for C&D waste collection 3.Dumpin g sitesituated at NearPower House, Nadana Road, Taraori	Yes 1. Collectio n of C&D waste separately. Site identified for C&D waste deposition 2. Tractor Trolly is available for C&D waste collection 3. Yes, Near Communit y Centre, Ward No. 06, Kaithal Bye Pass Road, Assandh	Yes 1. Collectio n of C&D waste separately. Site identified for C&D waste deposition 2. Tractor Trolly is available for C&D waste collection 3. Yes, Site identified near IndriBye Pass Road.	Yes 1. Colle ction of C&D waste separ ately. Site identified forC&D waste deposition 2. Tract or Trolly is available for C&D waste collection 3. C&D site at Dingarm ajra road Gharond	Presently C&D waste is being used to fill low laying area. The DDPO will provide /install processing /crushing machinery for processing of C & D waste. The target date is 31.03.202 4.	Target date is 31.03.20 24.		
L	YA7la a	Alban la sal		V MCV)	f C&D waste may						m) .		
2	authon have fixed on C& and			Yes MC Karnal have fixeduser fee on C&D waste for bulk waste	Small amount of Yes by laws cons	stituted.	r exists. nped in low lying and deposition of		D deposition site	may be fixed.	44	Target date is 31.03.2024.		

permissio n system for bulk waste generators who generate more than 20 tons or more month?										
Recycling Facility	ULB DDPO HSVP	Pingli Dairy complex has been identified for Construction and Demolition processing facility. Apart from this, MC Karnal is planning to make an agreement with a private Cement Tiles Manufacturing plant located at Vill: Uchana to process C&D waste	Mata Mandir Road, Nilokhari	identifiedat Dumping Place,Ward No.6, Nissing.0.1M T C&D Waste generates from this town which is very small quantity and is being utilized for filling of low lying area. Target date is 31.03.2024.	meagre and is being utilized for filling of lowlaying areas. Target date is 31.03.2024.	Site near Community Centre ward no.6 Kaithal by pass road has already been Identified & being used for collation of C&D waste. C&D waste is being reused by public at their own and by contractors in filling low lying area.etc. Target date is 31.03.2024.	24.		Small amount of C & D waste dumped in low lying areas.	Target date is 31.03.2024
		processing of C&		•		•		5 5		

4.	Usage of recycled C&D waste in non structural concrete, paving blocks, lower layers ofroad pavements, colony and rural roads	ULB DDPO HSVP	Yes, MC Karnal is planning to make an agreement witha private Cement Tiles Manufacturing plant located atVill: Uchana toprocess C&D waste.— Target date is31.03.2024 C&D waste used along withsoil filling in roads	Yes used in low laying area.	Yes used in lowlaying area.	Yes used in lowlaying area.	Yes used in lowlaying area.	Yes used in lowlaying area.	Yes used in low laying area	waste dumped inlow	Targetdate for MC Karnal is 31.03.2024
			/Street construction								
			work. All the MCs/DDF waste.	PO will develop Co	 &D waste deposit	 tion site scientific	cally for collection	 n and installation	of grinding mac	hinery for proces	sing of C&D
5.	lEC on C&D waste	ULB DDPO	Local bodies areconducting	Local bodies are	Local bodies areconducting	Local bodies areconducting	Local bodies are	Local bodies are	Local bodies are conducting	NA	NA
	managemen	HSVP	regular IEC on solid waste	conducting regular IEC on	regular IEC on solid waste	regular IEC on solid waste	conducting regularIEC on	conducting regularIEC on	regular IEC on solid waste		
	· ·		management.	solid waste	management.	management.	solid waste	solid waste	management.		
			1. By Advertisemen	managemen t. 1. By	1. By Advertiseme	1. By Advertiseme	management. 1.By	management. 1.By	1. By Advertisement		
			t in Local	Advertiseme	nt in Local	nt in Local	Advertisement	Advertisement	in Local News		
			NewsPapers 2. By	nt in Local News Papers	NewsPapers 2. By	NewsPapers 2. By	in Local News Papers	in Local News Papers	Papers 2. By		
			Presentation	2. By	Presentation	Presentation	2.Presentation	2.Presentation	Presentation		
			in Schools &	Presentation	in Schools &	in Schools &	in Schools &	in Schools &	in Schools &		
			Colleges and other	in Schools &	Colleges and other	Colleges and other	Collegesand other	Collegesand other	Colleges and other		
			institution	Colleges and other institution.	institution	institution	institution	institution	institution.	46	l Pag

Bio-Medical Waste Management

- Statistics
- > Total No. of Authorized Healthcare facilities 319
- Quantity of Bio-Medical waste generated per day 541 Kg/day
- ➤ No. of common Bio-Medical waste treatment and disposal facility (CBWTF) -M/s Hatt Supreme Wastech Pvt. Ltd., Village Bazida Jattan, Karnal.
- Capacity of common Bio-Medical waste treatement and disposal facility
 - Incinerator of 1680 Kg/day
 - ❖ Autoclave of 325 Kg/day
 - Shredder of 1200 Kg/day
- Role of District Administration
- Constitution of District Level Monitoring Committee.
- ➤ 202 inspections of Health Care facilities carried out by HSPCB and 39 nos. by District Level Monitoring Committee.
- GPS enabled vehicles provided by CBWTF.





(iv) Bio-Medical Waste Management

Current Status related to biomedical waste

Inventory of BMW in the District	Quantity
Total no.of Bedded Healthcare Facilities	170
Total no. of non-bedded HCF	149
No.of HCFs authorized by SPCBs/PCCs	319
No of Common Biomedical Waste Treatment and Disposal Facilities (CBWTFs)	01
Capacity of CBWTFs	Incinerator of 1680 kg/day capacity, Autoclave of 325 kg/day capacity, Shredder of 1200 kg/day capacity.
No. of Deep burials for BMW if any	0
Quantity of biomedical waste Generated per day	[541 Kg/day]
Quantity of biomedical waste treated per day	[541 Kg/day]

b) Identification of gaps and Action plan

S. No	Action points	Responsible agency	Gaps & action plan	Timeline for completion of action plan
1.	inventory and identification of Healthcare Facilities	HSPCB		Target date is 31.03.2024
2.	Adequacy of facilities to treat biomedical waste	HSPCB	more than the waste generated. The performance of CBWTF i.e. effluent	There is no time frame as it is the quarterly process
3.	Tracking of BMW		Deputy Commissioner Karnal. The above committee	There is no time frame as it is the regular process.
4.	and	Health	The training of all the staff is ongoing process regularly.	There is no time frame as it is the regular

	healthcare staff			process.
5.		Health Department, Haryana		There is no time frame as it is the regular process.
6.	Compliance to Rules by HCFs andCBWTFs.	HSPCB	1	There is no time frame as it is the regular process.
7.	District Level Monitoring	_ ·	The District Level Monitoring Committee (Under Bio Medical Waste Management Rules) has beenconstituted.	Target achieved.
8.	Wastewater Treatment	HSPCB	The HCFs are having Sewer connection and terminal treatment capacity. HSPCB will identify the HCFs, which have either no sewerage connection or having connection to sewerage system which has no connectivity to STPs & shall install individuals ETPs.	There is no time frame as it is the regular process

(V) Hazardous Waste Management

a. Current Status related to Hazardous Waste Management

"Hazardous Waste" means any waste which by reason of characteristics such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive, causes danger or is likely to cause danger to health or environment, whether alone or in contact with other wastes or substances.

There are total **839** no. of industries existing in District Karnal and out of which **150 no**. of industries are generating hazardous waste and either engaged in process of Printing/electroplating /Service Stations recyclers of hazardous waste listed under Schedule-IV and hence having potential of generation of hazardous waste as listed under Schedule-I of Hazardous and Other Wastes (Management and Trans boundary Movement) Rules, 2016. Further there is a potential of generation of approx 546.98 MT/Annum of hazardous waste from these industries. The hazardous waste generated is scientifically treated and disposed as per the provisions of Hazardous and Other Wastes (M&T13BM) Rule 2016 with having agreement either with Gujarat Environment Protection & Infrastructure Ltd. (GEPIL) which is a State level single facility as a Common Hazardous Waste Treatment and Disposal facility located at Village Pali, District Faridabad or through recycler of hazardous waste authorized by HSPCB and HSPCB is regularly monitoring the generation and disposal of hazardous Wastes by the way of conducting monthly mandatory inspections of these industries.

The detail of such Industries generating Hazardous waste and having obtained consent to operate under Water Act 1974 and Air Act 1981 and authorization under the provisions of the Hazardous and Other Wastes (Management and Trans boundary Movement) Rules,

2016 from HSPCB is given as follows:

Categories	Numbers of Industries
Red	142
Orange	569
Green	128
Total	839

All the units generating wastewater provided with Effluent Treatment Plant and the emission sourcesare provided with Air Pollution Control measures with stacks of appropriate height to control the emissions releasing into the atmosphere.

Details of Data Requirement	Present Status
No of Industries generating HW	150 Nos.
Quantity of HW in the district	546.98 MT/Annum
(i) Quantity of Incinerable HW	371.131 MT/Annum
(ii) Quantity of land-fill able HW	170.06 MT/Annum
(iii) Quantity of Recyclable/ utilizable HW	5.83 MT/Annum
No of captive/common TSDF	Nil
Contaminated Sites or probable Contaminated sites	Nil







By- Regional Office, Haryana State Pollution Control Board, Karnal

b. Identification of gaps and action plan

S. No.	Action points	Responsibl eagency	Gaps &Action Plan	Timeline for completion of actionplan
1.	Regulation of industries and facilitiesgenerating Hazardous Waste	НЅРСВ	The Hazardous waste is being disposed off through GEPIL, TSDF site at Pali, Faridabad. All 135 units have obtained authorization under HWM Rules, 2016.All the industries haveprovided individual impervious storage rooms within their premises for temporary storageof hazardous sludge. During inspection of operation of effluent treatment plant, the use of chemicals for treatment of waste water of the industries and the data being co-related.	There is no time frame as it is the regular process.
2.	Establishment of collection centres HSPCB		All the industries have provided individual impervious storage rooms within their premises for temporary storage of hazardous sludge. The record of hazardous wastegenerated being maintained by the industries. The waste being lifted by the GEPIL from the collection centre provided by the units.	Target achieved.
3.	Training of workers involved in handling / recycling / disposal of HW	Additional Director Health and Safety Department	The training w.r.t safety of workers during handling, recycling and disposal of hazardous waste is also imparted on quarterly basis by the concerned industries/TSDF and PPEs are also provided to the workers from time to time.	There is no time frame as it is the regular process.
4.	Availability / Linkage with commonTSDF or disposal facility	НЅРСВ	TSDF already available in State and all Hazardous waste generating industries in the district are having linkage with TSDF.	Target achieved.
5.	Contaminated Sites	НЅРСВ	No Contaminated Sites in Karnal District.	NA

E-Waste Management

a. Current Status related to E-Waste Management

The Ministry of Environment, Forest and Climate Change, Government of India hasnotified E-Waste (Management) Rules 2016 for safe handling and disposal of e-waste in the country. In this regard, the Hon'ble NGT (PB) in its order dated 12.02.2019 in 0.A. No.512/2018 has issued directions to the stake holders for effective implementation of the e-waste management rules. Accordingly, action plan for the District to comply with NGT directions is given below:

Details of Data	Responsibl	Gaps &ActionPlan								
Requirement	e agency	MC Karnal	MC Nilokheri	MC Nissing	MC Taraori	MC Assandh	MC Indri	MC Gharaun da	for completion action plan	
Inventory of E-Waste in MT/year	ULB/HSPC B	Quantity of E-Waste is .01 MT/year. Inventory of E-waste will be prepared Target date is 30.09.2023	Inventory of E-waste will be prepared Target date is 30.09.2023	Quantity of E-Waste is .01 MT/year. Inventory of E-waste will be prepared Target date is 30.09.2023	Inventory of E-waste will be prepared Target date is 30.09.2023	Inventory of E-waste will be prepared Target date is 30.09.2023	Inventory of E-waste will be prepared Target date is 30.09.2023	Quantity of E- Waste is .01MT/year. Inventory of E-waste will be prepared Revised Target date is 30.09.2023	Target date is 30.09.2023	
Collection centers established by ULBs in the District	ULB/HSPC B	Target date f	or establishing	collection cen	tre is 30.09.2023	3				

Collection centersestabl ished by Producers or their PROs	ULB/HSPC B	Target date for establishing collection centre is 30.09.2023	
No authorized E-Waste recyclers / Dismantler	ULB/HSPC B	The Bulk e waste generator will be identified & Agreement with recycler/dismantler be made upto30.09.2023	Target date is 30.09.2023

b. Identification of gaps and action plan

Sr No.	Action points For villages /blocks/ town municipalitie s	Respons ible agencies		fo co							Timeline for completion of action
	/ City corporations		MC Karnal	MC Nilokheri	MC Nissing	MC Taraori	MC Assandh	MC Indri	MC Gharaunda	HSPCB	plan
		HCDCD /	0 6	T .	0 111	T .	T .	7	0 111 6	7	T
1.	Inventory / Generation of E-Waste / Bulk-waste generators	HSPCB/ PCC & ULB	Quantity of E- Waste is .01 MT/year. Inventory of E-waste will 30.09.2023		Quantity of E- Waste is .01 MT/year. Inventory of E-waste will be 30.09.2023		Inventory of E-waste will be 30.09.2023	will be	Quantity of E-Waste is .01 MT/year. Inventory of E-waste will be 30.09.2023	Inventory of E-waste will be 30.09.2029	Target date is 30.09.2023
2.	E-Waste collection points	ULB		Target date for collection centre is 30.09.2023							
3.	Linkage among Stakeholders tochannelize E- Waste	ULB HSPCB	The Bulk e	waste gener	ator willbe i	dentified & A 30.09	igreementwi 9.2023	th recycler/	dismantler be		Target date is 30.09.2023

4.	Regulation of illegal E-Waste recycling/dismantling	НЅРСВ	There is no illegal E waste recycling/dismantling unit in Karnal. One Authorized E-waste recycler/ dismantler hasbeen established in district Karnal	Target achieved
5.	Integration of informal sector	ULB	30.09.2023. Informal sector will be integrated by	Target date is 30.09.2023
6.	Awareness and Education	HSPCB, ULB, Education Department	Awareness programs through posters, chart making and debates are being conducted from time to time to aware the society.	NA

Awareness Programme

on 26.04.2022 at 10:00 AM — E-Waste Management Rules-2016 with representative of Exigo Recycler, Karnal & Industrial association/College/Institute Representatives, at Haryana Chamber of Commerce, 353/3, HSIIDC, Karnal.



By- Regional Office, Haryana State Pollution Control Board, Karnal



1.2 Air Quality Management

a. Current Status related to Air Quality Management

Details of Data Requirement	Present Status
Number of Automatic Air Quality monitoring stations in the district. -Operated by SPCB / State Govt / Centralgovt./ PSU agency: -Operated by industry:	 Establishment of Automatic Air Quality Monitoring station – Yes (01no. Automatic Air Quality Monitoring station by HSPCB 52 No's. by industries.
Number of manual monitoring States operated by SPCBs	• 2 nos.
Name of towns / cities which are failing to comply with national ambient air quality stations	• NIL
No of air pollution industries	0 514
Prominent air polluting sources [Large Industry]/ [Small Industry]/ [Unpaved Roadsl / [Burning of Waste Stubble] / [Brick Kiln /industrial Estatel / [others] (Multiple selection)	 Large Industry - 30 Small Industry - 484 Unpaved Roads - Nil Burning of wheat Stubble - 14 challans issued for stubble burning (35,000/-Rs. Fine collected) Brick Kiln - (Total Brick Kiln 118) Installed Zig-Zag technology-104 no., Closed by Board-13 no. and Dismantled-01 no. Industrial Estate - HSIIDC Sec-3, Karnal Poultry Detail:- The inspections of poultry farms being done and action being taken against the poultry farms found violating the provisions as per guidelines of 2022 - 11 no. poultry farms have been closed by 58 Pag

the Board, 26 no. poultry farms have obtained CTO from HSPCB and CTO Applied 23 no.
204 poultry farms are in Karnal District. Animal Husbandry Department inspected 204
Nos. of poultry farms. The following measures are being followed to control the pollution.
Spray of medicines to control the flies.
Deep burial is being done for disposal of dead birds.
❖ Waste water management practices being adopted.
55 Page

b. Identification of gaps and action plan

S. No.	Action points	indicative Action Plan	Responsible agency	Timeline for completion of action plan
1.	Identification of Prominent air polluting sources?	There is no Prominent Air polluting source in Karnal District.	HSPCB	NA
2.	Ambient Air qualitydata.	One no. online monitoring station (CAAQMS) and two no. manual stations installed by HSPCB- 100% done. The Ambient Air Quality Data will be displayed at prominent places of the District. The data generated by continuous as well as manual ambient air quality monitoring stations may be mentioned on website of Haryana State Pollution Control Board and the same may also be displayed at prominent places of the district.		NA

3.	Setting up of Continuous Ambient Air Quality Monitoring Station	One no. online monitoring station(CAAQMS) and two no. manual stations Installed by HSPCB. 100% done. Data is being submitted to CPCB & HSPCB continuously. 2 additional manual Ambient Air Quality Monitoring Stations will be setup by 31.03.2024.	HSPCB	Target date is 31.03.2024
4.	District Level ActionPlan for Air Pollution	The 95 no. of Units have installed online monitoring stations to check on the air quality as well as water quality. (50 no of industries have installed Air Quality monitoring system. The NOCs are being issued to units for using PNG, CNG, LPG, Butane and Biomass etc as a fuel. The pet-coke has been banned by Karnal District. The PNG pipe line is being laid. The work of lying of PNG line in HSIIDC Sec-3, Karnal has been completed. HSPCB continue monitor all the Air polluting industries and action against the violators being taken regularly.34 no of industries have been closed by the Board found violating the provisions of Air Act 1981. Now NOC for establishing new industries will be given to industries that use only PNG, CNG, LPG, Butane and Biomass as fuel.		There is no time frame as it is the regular process.
		District Karnal having 1.65 lakh hectares of Paddy area in which approx. 65% area under non basmati paddy nd 35% area contribution of basmati paddy. To see the stubble burning situation District Karnal had established 415 no's of customer hiring center to check this problem. In these centresit has total3668 in-situ mangaement machinery and 131 is ex-situ machinery. IOCL playing a big role to manage paddy stubble and established a 2G ethanol plant in district Panipat situated at bohali. To fulfil the requirements of IOCL Karnal district having 13 cluster consist of 100 of villages who are growing non-basmati paddy. To run 2G ethanol plant required 2.13 lakh Mt of Paddy stubble round the year. For proper supply of raw material IOCL give 1250 RS per Mt. With the adoption of Ex-situ and in-situ management systems The department of Agriculture report regarding arrangements to be made for in-situ and ex-situ management of paddy/wheat straw to control air pollution in the area due to burning of said waste in the fields. District Level Action Plan, mentioning the steps taken for control of stubble burning, construction of roads, improving the quality of existing roads, supplying cleaner fuel, up gradation of existing APCDs, afforestation drives to be made by industries and institutions, has been prepared.		There is no time frame as it is the regular process

		_	ion control checking centr ords prescribed in relation	es established. to control of air pollution or	• RTA	There is no time frame as it is the regular process.
		Sr.No	Total Challan	Challan Amt in Rs.		
		Total	69	69000		
5.	Hotspots of air	Notice issued to the stack heights, Notice issued to Ho (02 No. Water tanker estimated cost is Rs Environment Comp (02 No. Anti Smog Gu Rs. 1.30 Crore. The Compensation fund		There is no time frame as it is the regular process.		
5.	_	no defined industri using PNG, CNG, LP banned by Karnal E PNG line in HSIIDC polluting industries	al zone in Dist. Karnal. The G, Butane and Biomass e District. The PNG pipe line Sec-3, Karnal has been co	e NOCs are being issued to units for to as a fuel. The petcoke has been is being laid. The workof laying of impleted. Howeverall the air in regular interval of time and being	or	time frame as it is theregular process.
		969 (Kharif Season farmers imposed fi	2021) no. of violators ha	ave been identified and 520 no of no FIR has been lodged against	• DDA	There is no time frame as it is the regular process.

		Year (2022) Cumulative number of fields inspected by DDA -292 no.		
		Cumulative number of incidence on which EC imposed by DDA – 205 no.		
		EC collected by DDA -5,20,000/-Rs.		
		Number of trees planted last year - 364027	• DFO	There is no time frame as it is the regular process
		Number of trees to be planted in current year- 889300		
		Number of trees planted till now in current year by forest Department-257338 nos. By HSPCB – 34000 nos.		
		By Laws Constituted by ULBs	• ULBs	There is no time frame as it is the regular process
6.	Awareness on AirQuality	Being done through digital display boards, Sameer App. The banners being displayed regularly and activities being done through NGO & ECO clubs.	• HSPCB	There is no time frame as it is the regular process
		IEC Activities plan of DDA	• DDA	There is no time
		The action plan for the 2023-24 is as under:-		frame as it is the
		1. Village level farmer awareness camps – 422 nos.		regular process.
		2. Block level farmer awareness camps – 06 nos.		Till date :-
		 3. District level farmer awareness camps – 01 no. 4. Hoardings/Wall Painting at Road Side/Market/Schools/Petrol 		Cumulative number
		Pump/BusStand/CHC/KVK etc. – 1200 nos.		of fields inspected - 292 no.
		5. Red and Yellow zone training at HAU/KVK level – 11300 nos.		
		6. Mobile Demonstration Van – 06 nosDemonstration @ 4 per Village –		Cumulative number
		1704 nos.		of incidence on which EC imposed –

8. Mobile Demonstration Van – 06 nos	205 no.
	EC collected - 5,20,000/-Rs.
-96 no of Pollution Control Checking Centers are for vehicles. RTA demade challans of Rs. 69,000/- for violation of Standard for Control of Pollution by vehicles 105 nos. challans has been done for overloaded vehicles	•
100% plantation being done as per Target.	• Forest



01 CAAQM Station at DC Office, Karnal &



Farmers awareness program on stubble burning

1.3 Water Quality Management

Water Quality Monitoring Current Status related to Water quality Management

Details of Data Requirement	Present Status
Rivers	Yamuna is having 65 Km length in Karnal District.
Length of Coastline(if any)	0Km
Nalas/Drains/Creeks meeting Rivers	01 No. of Escape (Dhanaura)
Lakes/Ponds	188 Nos. ponds
Total Quantity of sewage from towns and citiesin District	80.24 MLD (Cities), 10.07 (Rural area)
Quantity of industrial wastewater	123.26 MLD
Percentage of untreated sewage	0 %
Details of bore wells and number of permissions given for extraction of groundwater	182 nos. bore wells registered
Ground water polluted are as if any	Nil
Polluted river stretches ifany	[0Km]





Water quality data	The ground water samples of bore wells/tubewells at various locations of Karnal District being collected quarterly& the analysis reports shows the parameters are within prescribed limit.
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Sr. no.	Location of sampling	Result
1.	Tubewell at MSW Site, Meeruth Road, Karnal	Parameters are within prescribed limit
2.	Tubewell of Shiv Mandir, Village Jadauli, Karnal	Parameters are within prescribed limit
3.	Tubewell of HSIIDC, Sec-3, Karnal	Parameters are within prescribed limit
4.	Ground Water of Old Bus Stand, Karnal	Parameters are within prescribed limit
5.	Ground Water of New Bus Stand, Karnal	Parameters are within prescribed limit
6.	Hand Pump at Govt. School, AlipurKhalsa	Parameters are within prescribed limit
7.	PHED Tubewell, AlipurKhalsa	Parameters are within prescribed limit
8.	Handpump (01), Barsat	Parameters are within prescribed limit
9.	Handpump(02), Barsat	Parameters are within prescribed limit
10.	Tubewell, Barsat	Parameters are within prescribed limit
11.	Private Tubewell in vicinity of Industrial Clusters, Gharaunda	Parameters are within prescribed limit
12.	Borewell Govt., HarsinghPura	Parameters are within prescribed limit
13.	Handpump, HarsinghPura #1	Parameters are within prescribed limit
14.	Handpump, HarsinghPura #2	Parameters are within prescribed limit
15.	Hand Pump Kohand - N 29.22.32; E 76.40.10	Parameters are within prescribed limit

16.	Hand Pump Kohand - N 29.29.36; E 76.58.18	Parameters are within prescribed limit
17.	Hand Pump Kohand – N 29.42.20; E 76.38.11	Parameters are within prescribed limit

b. Identification of gaps and action plan for water quality monitoring

S. N	Action point	Responsibl e agencies		Gaps and Action Plan for a second se											
0	S		MC Karnal	MC Nilokheri	MC Nissing	MC Taraori	MC Assandh	MC Indri	MC Gharaun da	Irrigation Departme nt/CGWA	completi on of action plan				
1	Inventor y of water bodies	Irrigation Department CGWA		The	inventory of w	ater bodies h	as been completed by I	rrigation De	partment		Target Achieved				
2	Quality of water bodies in the district	HSPCB, Irrigation Department,	NA	NA	NA	NA	NA	NA	NA	Irrigation department/HSPC B-Monthly monitoring of drains/rivers beingconducted jointly by Irrigation department& HSPCB.	There is no time frame as it is the regular process.				

2	Hotomataac	III D	Thoma !-	Thoma !-	Thoma !-	Thous !s	The ground state :	Thoma !a	Thoma !a	Thomasia was tirrea	Thoma ! a
3	Hotspots of	ULB	There is	There is	There is	There is	The ground water	There is	There is	There is no time	There is
	water	Department	no hot	no hot	no hot	no hot	samples of	no time	no time	frame as it is the	no hot
		Public Health	spot of	spot of	spot of	spot of	borewells/tubewell	frame as		regular process	spot of
	on	Engineering	water	water	water	water	s at various	it is the			water
		Department	contaminati	contaminati	contaminati	contamin	locations of Karnal	regular	regular		contaminati
		Irrigation &	on	on	on	ation	District being	process.	process		on in
		Water Resource					collected quarterly				Karnal.
		Department,					&the analysis				
		Haryana					reports shows the				
		GroundWate					parametersare				
		Authority,					within prescribed				
		HSPCB									
4.	Protection	III D DDDO	27 no. Wire-	There is no	04 no. Wire-	02 Wire-	04 no. Wire-Mesh or	6 no. of	16 no.	46 no. Wire-	Target
	ofriver /	ULB DDPO	mesh have	water bodies	mesh/scre	mesh	C.I or	wire mesh	Wire-	mesh/scree n has	achieved.
	lake water		been	in M.C.	en has been	have been	W.I Jall useddrains to	erected	mesh/scr	been installed on	
	front	Irrigation &	installed on	Nilokheri,	installed on	installed	control solidwaste in	on the	eenhas	drains/Nall ahs.	
		Water Resource	27 drains/	However, 02	drains/Nal	on drains	drains/Nalla hs.	point of	been		
		Department,	Nallahs to	no. wire mesh	lahs.	to control	,	Drain/Nal	installed		
		Haryana	control solid	has been		solid		lah t	on		
			waste in	fixed into the		waste in		prevent	drains/N		
			drains/Nallas	drains/		drains/N		the	allahs.		
				Nallahs to		allahs.		passing of			
				stop/prevent				solid			
				the solid				waste into			
				waste				the water			
				entering into				bodies.			
				STP							
	MCs/Irrigation may make adequate arrang					nent for pro	tection of river within N	IC area and	Panchavati	Rai Department and	
	department of Irrigation may take such st					-			-	· -	
			department of	irrigation may	take such steps	s outside MC	area and shall ensure th	iat no solid v	waste is allo	wea to enter into the	
river system.											
			-								
											1

S. No.	Action points									
NO.			ULB Department		Irrigation & Water Resource Department, Haryana	Ground Water Authority	HSPCB	rcompletion of action plan		
5.	Inventory of sources of water pollution	ULB Department Public Health Engineering Department Irrigation & Water Resource Department, Haryana Ground Water Authority	NA	NA	The inventory of all sewage water and waste water discharge point into water bodiesin District Karnal is regularly maintained inevery month.	NA	NA	There is no time frame as itis the regular process.		

S. No	Actio n	Respons ible		Gaps and Action Plan											Timeline for
	point s	agency	MC Karnal	MC Nilokheri	MC Nissing	MC Taraori		MC sandh		AC ndri	MC Ghar a unda		DPO	Irrigation Departmen t	completio nof action plan
6.	Protection of Flood plains	ULB Irrigation Departme nt	For the protection of flood plains, all the nallah/dra ins being cleaned before mansoon season and also quarterly.	For the protection of flood plains, all the nallah/drains being cleaned before mansoon season and also quarterly.	ns being cleaned before mansoor	n protect of floo l plains, the ai nallah/o ns bein cleane befor n manso d season a	drai ng ed on and	For the protects offlood plains, the nallah/on s being cleaned before manson season a also quarter	ion d all drai ng ed e on and	prote of fi plain th nalla ains clea bef man seaso al	the ection lood is, all he held fore isoon on and iso eterly.	For the protecti on of flood plains, all the nallah/d rains being cleaned before mansoo n seasonand also quarterl y.	For the protection of flood plains, all the nallah/drains being cleaned before mansoon season and also quarterly.	Quarterly checking are being done for the protection of Flood Plains. The stone pitching and guide bandh being provided for protection of fold plains.	frame as it

7.	Dojuwanatia	ULB, DDPO	The	The	The	The	The	The ground	The	The work of	13 RWH	Target date
' ·	Rejuvenatio n of ground	OLD, DDF U	ground	ground	ground	ground	ground	water is	ground	providing	has	Target date of DDPO is
			water is	water is	water is	water is	_	available	•	1.	been	31.03.2024.
	water		available	available	available	available	water is	and fit for	water is	Rain water		
			and fit for	and fit for	and fit for	and fit for	available	drinking	available	harvesting	installe	(The more
			drinking	drinking	drinking	drinking	and fit for	purpose.	and fit	systems	d	rain water
			purpose.	purpose.	purpose.	purpose.	drinking	07 no. Rain	For	enhancemen		harvesting
			20 no. Rain	07 no. Rain	07 no. Rain	02 no. Rain	purpos	water	drinkin g	t ofcapacity		system in
			water	water	water	water	e. 06 no. Rain	harvesting	purpose	of ponds and		parks and
			harvestin	harvestin g	harvestin g	harvestin g	water	is installed.	. 06 no.	creation of		other
			g is	is	is	is		It will be	Rain	new ponds		buildings
			installed.	Installed.	Installed.	Installed.	harvesting isinstalled.	ensured that	water	in process.		are also
				It will be	It will be	It will be	It will be	as far as	harvesti	Target		required
			It will be	ensured that	ensured that	ensured that	ensured that	possible at	ng is	date is		by ULB -
			ensured that	as far as	as far as	as far as	as far as	least one	installed	31.03.2024.		The
			as far as	possible at	possible at	possible at	possible at	pond/water	It will be	r		estimated
			possible at	least one	least one	least one	least one	body will be	ensured	It will be		cost is Rs.
			least one	pond/water	pond/water	pond/water	pond/water	restored in	that as far	ensured that as far as		30 Lacs
			pond/water	body will be	body will be	body will be	body will be	every village,	as possible	possible at		The
			body will be	restored in	restored in	restored in	restored in	apart from	at least one	least one		proposal
			restored in every	every village, apart from	every village, apart from	every village, apart from	every	creation of	pond/wate	pond/water		
			village,	creation of	creation of	creation of	village, apart	any new pond/water	r body will	body will be		for funds
			apart from	any new	any new	any new	from	body.	be restored in every	restored in		to be
			creation of	pond/water	pond/water	pond/water	creation of	body.	village,	every village, apart from		utilized
			any new	body.	body	body.	any new		apart from	creation of		from
			pond/water	Souly.		2049.	pond/water		creation of	any new		Environm
			body				body		any new	pond/water		ent
									pond/wate	body		Compensa
									r body			tion funds
												has been
												made and
												in
												process).
			All MCs/Dena	rtments mav	nrovide rain	water harves	sting systems	and other a	ctivities in	compliance to	order dated	1
			· -	_	-					-		
			01.06.2020 in	OA No. 325/	2015 in the	matter of Lt.	Col. Sarvadha	aman Singh O	brai Vs Unic	on of India. M	Cs/concerned	1 70 Pag
												/U rag

			water harves Govt. building	epartments may also pursue the builders, whose building plans are approved by concerned departments to provide rain later harvesting system in the premises of buildings/commercial projects. MCs may also utilize the large roof area of the love. buildings/institutions for channelizing the roof rain water to inject underground to recharge ground water. The said tivities has been started for implementing.										
8.	Complaint sredressal system	HSPCB Irrigation Departme nt , PHED, ULB	CM Window, PG Portal, SMGT and Sameer app	CM Window, PG Portal, SMGT and Sameer app	CM Window, PG Portal, SMGT and Sameer app	CM Window, PG Portal, SMGT and Sameer app	CM Window, PG Portal, SMGT and Sameer app	PG Portal, SMGT	CM Window, PG Portal, SMGT and Sameerapp	CM Window, PG Portal, SMGT and Sameer app	CM Window, PG Portal ,SMGT and Sameer app	There is no time frame as it is the regular process		

Domestic Sewage

a. Identification of gaps and Action Plan for treatment of domestic sewage

Details of Data Requirement	Present Status
No of Class-II towns and above	06 no.
No of Class-I towns and above	01 no.
No of Towns STPs installed	07 no.
No of Towns needing STPs	07 no.
No of ULB shaving partial underground Sewerage network	0 no.
No of towns not having sewerage network	0 no.
Total Quantity of Sewage generated in District From Class II cities and above	80.24 MLD
Quantity of treated sewage flowing into Drains(directly or indirectly)	80.24 MLD
Quantity of untreated or partially treated sewage(directly or indirectly)	0 MLD
Quantity of sewage flowing into lakes	0 MLD
Total available Treatment Capacity	107.50 MLD

b.Identification of gap sand Action Plan for treatment of domestic sewage

S. No	Action points	Respoi ible	as	Gaps and Action Plan							Timeline for
		agency	MC Karnal	MC Nilokheri	MC Nissing	MC Taraori	MC Assandh	MC Indri	MC Gharaunda	Irrigation Department	completion ofaction plan
1	Sewage Treatment Plants (STPs)	PHED ULB	• 04no. operating (MC) • 03 nos. STPs are under construction named as 08 MLD STP at Shiv Colony, Kaithal Road, Karnal & 20 MLD STP at Phoosgarh, Karnal. Under construction STP will be completed upto 06.06.2024. STP at Kambopura will be completed by		01 operating (PHED)	01 operating (PHED)	01 operating (PHED)	01 operating (PHED)	01 operating (PHED)	NA	STP of capacity 8 MLD, in Shiv Colony and STP of capacity 20 MLD in Phooshgarh area shall be completed by 06.06.2024 STP at Kambopura will be completed by 31.05.2023.

			31.06.2023.								
2	Underground sewerage network	• PHED ULB	• Area covered with sewer line 98.37 %. 100 % sewerage network in MCs Karnal shall be completed by 06.06.2024	Area covered with sewer line 100 %.	Area covered with sewer line 100%.	Area covered with sewer line 97%. 100 % sewerage network in MCs Taraori shall be completed by 31.03.2024.	Area covered with sewer line 100%.	Area covered with sewer line 100%.	Area covered with sewer line 100 %.	NA	Target date is 06.06.2024. (05 No. De-sludge tankers of are also required by ULB for more efficiency - The estimated cost is Rs. 27.50 Lacs The proposal for funds to be utilized from Environment Compensation funds has been made and in process).
3.	Utilization of treated sewage for irrigation /other usage.	ULB Irrigation Departme nt,	Area is being identified where the treated sewage can be utilized.	Area is being identified where the treated sewage can be utilized.	Area is being identified wherethe treated sewage can be utilized.	being identified where the treated sewage can be utilized.	Area is being identified where the treated sewage can be utilized.	Area is being identified where the treated sewage can be utilized.	Area is being identified where the treated sewage can be utilized.	The tender of the work recalled For reuse of treated STP effluent)	Target date is 31.03.2024
			The irrigation so Further, the Deptowns by 31.12.2 schemes, the data network and cost	artment of In 2022 and ir n like capacit	rrigation may p rigation schem ry of STP, comm	repare irrigati es for said to and area, villa	on scheme to wns may be	utilize treat completed l	ed sewage of ST by 31.3.2024. I	'Ps of remaining n the irrigation	

Industrial waste water management

a. Current Status related to Industrial Waste water Management

Number of Red, Orange, Green and White industries in the District	142 Nos of Red industries, 569 Nos of Orange, 128 no. of Green industries, Total 839 Industries
No of Industries discharging wastewater	424 nos
Total Quantity of industrial waste water generated	152.78 MLD
Quantity of treated industrial wastewater discharged into Nalas/Rivers	550 KLD
Common Effluent Treatment Facilities	0
No of Industries meeting Standards	424 nos
No of Industries not meeting discharge Standards	➤ 50 No. of units were closed by HSPCB for violation.(since 2019-22 to till date) . Fine of Rs. 5,72,48,250/- has been recovered as Environment Compensation from polluting units.





Identification of gaps and Action Plan for industrial waste water

S.	Action	Responsible	Gaps and Action Plan	Timeline for
No.	points	agency		completion of action
				plan
1.	Compliance to discharge norms by industries		 No of ETPs/STPs required in Industries (Red/Orange/17 category) - 424 nos. No of ETPs/STPs provided in Industries (Red/Orange/17 category) - 424 nos. No of STPs required for the local bodies - 10 nos. No of STPs provided in the local bodies - 10 nos. Functional status of ETPs/STPs - ETP - 424 nos / STPs - 10 nos. Monitoring of treated effluent qualities of ETP"s/STPs - ETP - 424 nos / STPs - 10 nos. This is a routine practice to check the ETPs installed by units. Newlyestablishing units requires to install ETP and closure action being taken against non complying units. Regular inspection and sampling of water polluting industries is carried out and 50 Nos. of units were closed by HSPCB and collected amount of Rs. 4,72,93,250/- Environment compensation & proposed amount of Rs. 5,72,48,250/- as Environment compensation. All the industries be ensured to install flow meter at outlet of ETPs & industries which have required OCEMS at ETPs be ensured to install OCEMS. HSPCB make periodic inspection of the industries and shall ensure that no industry may discharge its untreated effluent into sewerage system/drain or any other mode of disposal 	There is no time frame as it is the regular process
2.	Complaint redressal system	HSPCB	CM Window, PG Portal, SMGT and Sameer app	There is no time frame as it is the regular process

Mining Activity Management plan

a. Current Status related to Mining Activity Management

Details of Data Requirement	Existing Mining operations
Type of Mining Activity	There is no exiting mining operation in Karnal now. As previous mining named as – Jai JamunaJi Developers Sand Mining, contract has been expired in the month of January 2023.
No of licensed Mining operations In the District	0 Nos
% Area covered undermining in the District	0
Area of Sand Mining	0
Area of sand Mining	NA





a. Identification of gaps and Action Plan:

S. No.	Action points	Responsible agency	Gaps and Action Plan	Timeline for completion of
110.		agency		actionplan
1.	Monitoring of Mining activity	Mining Department	Frequent surprise checking in river stretches being done by the District Level Task Force. River stretches where there are chances for illegal sand mining has been identified and regular checking being done. 341 no. of inspections has been conducted, 222 vehicles Seized, 158 vehicle released and fine of Rs. 2,96,06,800/- recovered from 122 Vehicles and 47 FIRs lodged.	frame as it is the regular process.
2.	Inventory of illegal mining if any mining	Mining Department	Frequent surprise checking in river stretches being done by the District Level Task Force.	There is no time frame as it is the regular process.
3.	Environment compliance by Mining industry	Mining Department	River stretches where there are chances for illegal sand mining has been identified andregular checking being done. The guidelines namely Sustainable Sand Mining and Management Guidelines, 2016 (SSMG -2016) and Enforcement and Monitoring of Sand Mining Guidelines, 2020 (EMGSM-2020) in para No. 3 of the said order, wherein, the procedures for seizure andrelease of vehicles involved in illegal mining, scale of compensation for violationon polluter pays principle, procedure for district survey report and environmentalclearance, adverse impact of unscientific/unregulated sand mining and other suggestive additional requirement like requirement of the Android Based Smart Phones, CCTV cameras, Computer systems, scanning of transport permit, checking of routes, tracking of vehicles and action against illegal excavation and transportation etc will be adopted.	The directions issued in order dated 26/02/2021 in O.A. No. 360 of 2015 in the matter of National Green Tribunal Bar Association V/s Virender Singh (State of Gujarat) may be implemented by Department of Mining in a time bound manner.

Noise Pollution Management plan

Current Status related to Noise Pollution Management

Details of Data Requirement	Measurable Outcome
No. of noise measuring devices available with various agencies in district	One no. noise meter is available with HSPCB and in use as per requirement.

Identification of gaps and Action Plan:

S. No.	Action points	Responsible Agency	Gaps ar	nd Action Plan		Timeline for completion of action plan
			HSPCB	ULBs	Traffic Police	
1.	Availability of Sound/Noise Level Meters.	ULB, HSPCB, Traffic Police,	There is one no. noise meter available with HSPCB	NA	No Noise Meter is available in Traffic Police Karnal. Target date is 31.12.2023	- Target date is
2.	Ambient Noise Level Monitoring.	ULB, HSPCB, Traffic Police	There is one no. noise meter available with HSPCB	NA	No Noise Meter is available in Traffic Police Karnal. Target date is 31.12.2023	- Target date is 31.12.2023

3.	Signboards in Noise zones	ULB, Traffic Police	NA	Signboard provided by MC's at appropriate places/Zones	Signboard is displayed in various place in District Karnal	NA
4.	Restriction on the use	Traffic Police	NA	NA	Challans have been	There is no time
	of Pressure horns in				issued to vehicles	frame as it is the
	the vehicles.				using pressure	regular process
					hornand regular	
					monitoring of such	
					activities is being	
					carried out by the	
					department as per	
					the provisions of	
					the Motor	
					Vehicle Act,1989.	

Faecal Sludge management (FSM)in UnapprovedColonies/Villages

- The sludge is being discharged into the STPs installed by MCs. (05 No. De-sludge tankers of are also required by ULB for more efficiency The estimated cost is Rs. 27.50 Lacs The proposal for funds to be utilized from Environment Compensation funds has been made and in process).
- In **Unapproved Colonies under Urban Areas**, the sewerage/faecal sludge is lifted by registered De-Sludging Operators(GPS enabled tankers)
- For Rural areas, State government has selected block Nilokheri as a pilot project for lifting of Faecal sludge and its treatment.
- One Tractor and Suction machine was purchased. De-sludging @Rs.800/tank
- The Sludge of the village is taken to the nearest STPs setup by the administration.







Other Environment issues

S. No	Action points	Respon sible				Gap	s and Acti Plan	on			Timeline for
		Agency	MC Kar nal	MC Nilokh eri	MC Nissing	MC Taraori	MC Assandh	MC Indri	MC Gharaun da	DDPO	completion of action plan
1.	Management of solid waste & liquid waste generated from unauthorized Colonies/residential complex/commercial complexes developed by private developers.	ULB	adopt treath these existing ii) exi ma col iii) col	ed in time nent of was illegal re ng STPs. MCs will r colonies/co STPs by 06. For the r sting within nagement onies to MC	e bound notewater of sidential of make sewer ommercial of control of solid was also become the control of solid was also become of solid was also	nanner for i these illegal colonies/con rage connec complex loc MC will make aste with su rget date is: authority/ mplex existi	llegal reside colonies/contes/	ntial colonies mmercial are rojects will b ntreated disc MC limits we ted by these t with these u charges to b may pursu MC areas to	gement systems/commercial systems/commercial seas, sewerage reconnected where the unauthorized commercial systems are the unauthorized of the unauthorized commercial systems are the unauthorized commercial systems are the unauthorized commercial systems are provided the commercial systems are the unauthorized commercial systems are unauthorized commercial systems.	areas. For network of with nearby authorized by existing d colonies, colonies for authorized authorized	Target date is mentioned for each activity.

			mechanism for treatment and disposal of untreated sewage of these colonies/commercial complex by 31.03.2024. iv) For management of solid waste of unauthorized colonies/commercial complex existing outside MC areas, the necessary agreement will be got made with MCs for scientific disposal of solid waste (wet and dry waste) with suitable user charges to be paid to MCs. Target date is 31.03.2024.	
2.	Management of carcasses in the rural area	DDPO	DDPO- ALPG CNG based cattle crematorium system in village Sagga, Block Nilokheri District Karnal has been setup. The capacity of plant is about 500- 700 Kg/hr with gaseous production as 8-10 m3/hr with size of single chamber furnace as 3m x 3m x 2.5m The Deptt. Of Panchayat will also make arrangements/develop more projects for the scientific disposal of animal carcasses in other areas.(Target date is 31.03.2024)	Target date is 31.03.2024.
3.	Management of solid & liquid waste generated by the poultry farm of the Districts	HSPCB, CMO Animal Husbandry andDairy Department	HSPCB/CMO/ Animal Husbandry and Dairy Department -The inspections of poultry farms being done and action being taken against the poultry farms found violating the provisions as per guidelines of 2022 - 11 no. poultry farms have been closed by the Board, 26 nos. poultry farms have obtained CTO from HSPCB and CTO Applied by 23 nos The said departments will identify the poultry farms and collect the data w.r.t. capacity of poultry farms, quantity of solid waste and wastewater generated by them. Action plan will be prepared for management of solid waste & wastewater, timelines for providing these management systems. The target date is 31.03.2024. > 204 poultry farms are in Karnal District. Animal Husbandry Department inspected 204 Nos. of poultry farms. The following measures are being followed to control the pollution. Spray of medicines to control the flies. Deep burial is being done for disposal of dead birds. Waste water management practices being adopted	no time frameas it is the regular process
4	Plantation of trees along	PWD	Number of trees planted last year - 364027	Target
	highways/drains.	(B&R),	Number of trees to be planted in current year- 889300	Achived

5 Removal of solid waste alon highways/railway lines/rur roads/drains/ponds	y lines/rural MC, DDPOs,	Number of trees planted till now in current year by forest Department- 257338 nos. By HSPCB – 34000 nos.	Achived
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Good Practices

The necessary steps, w.r.t rejuvenation of HOT spots by converting them into Green area, removal of solid waste from the sites, sealing of pot holes in the roads, have been taken. Carcasses utilization plant has also been setup in village Sagga, Block Nilokheri. **The Karnal Region has converted Hot Spots into Green Spots.**

Wet Waste processing plants (MC Karnal)

Windrow Composting

Village Shekhpura, Meerut Road, Karnal

(80 Tonne/day capacity)







Bio-CNG Plant, (Wet Waste to Energy Plant)

Near Ramnagar, Karnal (10 Tonne/day capacity)



Compost Pits

Green Belt, Sector -8, Karnal Green belt, Sec-6, Karnal (5 Tonne/day capacity)



<u>Vermi Compost</u>

Plant, Near Pal Nagar, Kachwa road, Karnal (5 Tonne/day capacity)





Converted Hot Spots into Green Spots







Activities in Rural Areas

• Statistics

Plastic Waste Collection in Rural Areas

As per direction of the state Government plastic waste is being collected on 2nd day of every month regularly

through Shramdaan activity. Total plastic waste collected till

date 2350 KGs in the district.

Total No. of Villages	442
Total Population(approx.)	1207642(68.55%)
No. of Households	222226
Solid Waste Generated	210 TPD
Solid Waste Management Projects Taken up	179
Solid Waste Sheds Completed	75
Solid Waste Shed Ongoing (Completion by 31-Mar-2023)	104



स्वच्छता दस्ता कार्यक्रम के तहत किया सामूहिक श्रमदान

इंद्री, 2 अप्रैल (योगेश)
: बी.डी.पी.ओ. अंग्रेज
सिंह मोर के मार्गदर्शन में
स्वच्छ भारत मिशन ग्रामीण
के तहत उपमंडल के गांव
नोरता, जोहड़ माजरा,
मनोहरपुर, समोरा, जनेसरो,
में सामहिक श्रमदान का



गांव में सफाई करते ग्रामीण।

आयोजन किया गया। यह अभियान स्वच्छ भारत मिशन ग्रामीण के खंड समन्वयक ब्रह्मजीत व स्वच्छता ग्राही सूरज बुटानखेड़ी की देखरेख में चलाया गया। ब्रह्मजीत ने कहा स्वच्छता ईश्वर का दूसरा रूप हैं। हमें स्वच्छता के महत्व को भली भान्ति समझना होगा। पॉलिथीन उन्मूलन के लिए हमें अपने प्रयास ओर तेज करने होंगे। हरियाली युवा संगठन अध्यक्ष सूरज बुटानखेड़ी ने कहा पॉलीथिन मुक्त गांव बनाने पर ही साफ सुथरा व स्वस्थ होगा। क्योंकि पॉलीथिन अगर नाली में पड़ी हो तो वह पानी के बहाव को रोक देती है। पानी प्रदूषित हो जाने पर मच्छर, मक्खी पैदा हो जाती है। संगठन समय समय पॉलिथीन मुक्त गांव जन जागरूकता अभियान चलाकर लोगों को जागरूक करता रहा। इस मौके पर सक्षम रूबी, कुसुम, सोनिया, रीटा, विजय लक्ष्मी, प्रताप सिंह, वीरेंद्र, सन्नी, प्रवीन, जिले सिंह, लाभ सिंह, पिंकी, रजनी, नेहा, यश,परिज्ञा व शिवा आदि मौजूद रहे।

स्वच्छता दस्ता के तहत चलाया सामूहिक श्रमदान

इन्द्री, (जगमार्ग न्यूज)। बीडीपीओ असेज सिंह मोर के मार्गदर्शन में स्वच्छ भारत मिशन ग्रामीण द्वारा उपमण्डल के गांव नौरता, जोहड़ माजरा, मनोहरपुर, समोरा, जनेसरों, में स्वच्छता दस्ता कार्यक्रम के अन्तर्गत सामृहिक श्रमदान का आयोजन किया गया। कार्यक्रम स्वच्छ भारत मिशन ग्रामीण के खंड समन्वयक ब्रह्मजीत एवं स्वच्छताग्राही

सूरज बुटानखेडी की देखरेख में चलाया गया। इस कड़ी में बहमजीत ने कहा स्वव्छता ईश्वर का दूसरा रूप हैं। हमें स्वव्छता के महत्व को भली भान्ति समझना होगा। पॉलिथीन उन्मूलन के लिए हमें अपने प्रयास और तेज करने



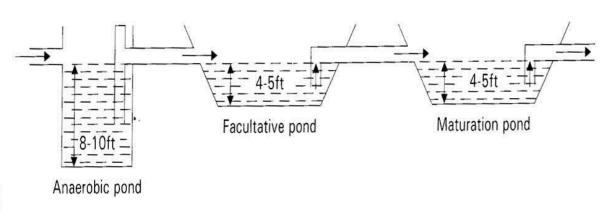
होंगे। आज पॉलिथीन हमारें जीवन में रच व बस गया है हमें पर्यावरण का ध्यान रखते हुए इसका बहिष्कार या कम से कम उपयोग करना होगा। आज गांव में पॉलिथीन एक बड़ी समस्या व वुनौती बन गया है। साफ-सफाई करना हम सबकी सामूहिक जिम्मेवारी है हम सबका भी नैतिक कर्तव्य बनता है कि हम सभी अपने आस-पास के परिवेश को स्वच्छ रखें। हरियाली युवा संगठन अध्यक्ष सूरज बुटानखेड़ी ने कहा पॉलीविन मुक्त गांव बनाने पर ही साफ सुधरा व स्वस्थ होगा। क्योंकि पत्नी अगर नाली में पड़ी हो तो वह पानी के बहाव को रोक देती है और पानी प्रदूषित हो जाने पर मच्छर, मक्खी पैदा हो जाती है। संगठन समय समय पॉलिथीन मुक्त गांव जन जागरूकता अभियान चलाकर लोगों को जागरूक करता रहा। इस मौके पर सक्षम रूबी, कुसुम, सोनिया, रीटा,विजय लक्ष्मी, प्रताप सिंह, धीरेंद्र, सन्नी, प्रवीन, जिले सिंह, लाभ सिंह, गांव के बच्चे पिकी, रजनी, नेहा, यश, परिज्ञा, शिवा, आदि मौजूद रहे।

Liquid Waste Management in Rural areas

• Treatment of Greywater/Waste Water in Rural Areas

- Dirty water from households got collected in ponds in villages (Greywater)
- For treatment of Grey Water a three pond/five pond system provided by Panchayat Department. The three ponds are called as:
 - ❖ Anaerobic Pond (10 feet deep)
 - **❖** Faculative Pond (5 feet deep)
 - ❖ Maturation Pond One or more (5 feet deep)
- > 37 no. 3-D/5-D pond systems have been developed by Gram Panchayats. 32 has been completed and remaining 05 will be completed by June-2024.
- ➤ (05 No. Five Pond Systems are proposed by Panchayat Department for treatment of Grey water of five villages. The estimated cost is Rs. 3.3 Crore. The proposal for funds to be utilized from Environment Compensation funds has been made and in process).

Waste stabilization pond for grey water





5 Pond System in Village Bhukhapuri, Sub-Tehsil Nigdhu, Tehsil Nilokheri, Karnal

82 | Pag

Community Managed Sanitary Complexes (CMSCs)

Total CMSC Sanctioned in Villages	204
Completed	184
Ongoing	20





Karnal was selected as the 2nd cleanest city after Chandigarh in Swacch survekshan-2020 in North India

100 से कम निकायों वाले राज्यों में हरियाणा दूसरे स्थान पर

पीएम मोदी ने 5वें संस्करण का परिणाम घोषित किया

हरिभुमि न्यूज 🕪 करनाल

प्रधानमंत्री नरेंद्र मोदी ने गरुवार को वीडियो कॉन्फ्रेंसिंग के जरिए स्वच्छता सर्वेक्षण के पांचवें संस्करण स्वच्छता सर्वेक्षण 2020 के परिणामों की घोषणा की। स्वच्छता की स्टेट रैंकिंग में 100 से कम शहरी स्थानीय

9, at

a-h



निकाय (अर्बन लोकलबॉडी) कम आबादी वाले शहरों की श्रेणी वाले राज्यों में 1678.84 स्कोर के में चरखी दादरी ने 11वां. गोहाना साथ हरियाणा दूसरे स्थान पर ने 19वां, खरखौदा ने 22वां, रहा। टॉप-10 में हरियाणा का एक नरवाना ने 23वां, टोहाना ने भी शहर नहीं है। 10 लाख की 26वां, फतेहाबाद ने 27वां आबादी वाले शहरों में करनाल लाडवा ने 30वां और शाहबाद ने 17वें स्थान पर है। एक लाख से 38वां स्थान हासिल किया।

सर्वेक्षण प्रदेश को १६७८.८४ का स्कोर मिला झारखंड पहले स्थान पर कैंटोनमेंट बोर्ड मे



देश के 100 से कम शहरी स्थानीय रैकिंग

118

120

निकाय वाले राज्यों में हरियाणा ने दसरा स्थान प्राप्त किया है। इस उपलब्धि करनाल लिए प्रदेशवासियों. अधिकारी

प्रधानमंत्री नरेंढ मोढी जी की प्रेरणा से हम लोग इस दिशा में निरंतर प्रयासरत रहेंगे।

इंदौर लगातार चौथे साल देश का

लगातार चौथी बार नंबर-१ बन का सुरत और तीसरे नंबर सर्वेक्षण-२०२० लीग के तीनों क्वार्टर में भी इंदौर अव्वल रहा था।

 100 से कम अर्खन लोकल बॉडी में एरिया में पहला स्थान पंजाब के

वाले राज्यों में पहले स्थान पर

केंद्रीय मंत्री ने करनाल के रैक पीकर्स को सराहा : केंद्रीय मंत्री हरदीप सिंह परी ने करनाल रैक पीकर्स से बात की और उनके कार्यों की सराहना की। पूरी ने सोनु और बच्ची देवी रैक पीकर के साथ संवाद किया।

सबसे साफ व पटना गंदा शहर इंदौर। सफाई के मामले इंदौर। गया है। दूसरे नंबर पर गुजरात 📕 100 से ज्यादा अर्बन लोकल बॉडी

KARNAL, AUGUST 20

Karnal has retained the tag of the cleanest city of Harvana in the results of Swachh Survekshan-2020 declared on Thursday.

TRIBUNE NEWS SERVICE

cleanliness in the northern region in the category of 1-10 lakh population.

improved its ranking in cleanliness to 17 in the country in the same category from the 24th position in Swachh Survekshan-2019. It had secured 41st position in 2018 and 65th in 2017. Out of 6,000 marks, Karnal city has secured 4,655.07 marks.

As many as 9,289 residents gave feedback during Swachh Survekshan 2020

the country in this category. The city has achieved 3-star in garbage-free city, and ODF++ status, said Nishant Kumar Yaday. Commissioner, Karnal Municipal Corporation.

Giving credit to city resi-Karnal is at the top in dents, Yadav said it was the result of continued public participation, citizens' awareness programmes, involvement of NGOs, corporate, RWAs and self-help groups, schools and colleges along with scientific management of solid waste through well-equipped centralised and de-centralised waste processing plants.

Renu Bala Gupta, Mayor, also gave credit of this achievement to the active participation of the people.

Rohtak second in state

In the category of popula-

State placed 2nd

Karnal state's cleanest city

- Harvana has achieved second position behind Jharkhand among states with less than 100 urban local bodies by scoring 1,678.84 marks
- Congratulating residents of the state, Chief Minister Manohar Lal Khattar tweeted, "I congratulate all citizens, officials and sanitation workers for this achievement."

tion between 1 lakh and 10 lakh, Rohtak got 35th rank. Panckhula 56th. Gurugram 62nd, Sonepat 105th, Hisar 105th, Rewari Ambala 120th. Yamunanagar 147th, Panipat 160th, Bhiwani 166th, Jind 168th, Sirsa 176th, Kaithal 199th, Bahadurgarh 216th, Thanesar 219th

and Palwal 357th

Union minister interacts with ragpickers

Union Urban Development Minister Hardeep Singh Puri interacted with the ragpickers of the city through video-conferencing, Earlier, Prime Minister Narendra Modi was supposed to interact with them. Ragpickers Sonu and Bachi Devi informed the minister that the MC had got ragpickers registered and given them work of segregation at a garbage centre. "After being registered, I

am getting benefits of various government schemes including Ujjwala, BPL ration card and others." said Sonu. Bachi Devi said that the registration of ragpickers has given them a new identity.

CM Khattar's constituency Karnal cleanest city in Hry

Amit Kumar | TNN

Karnal: Karnal has secured the 17th rank under the Swachh Survekshan 2020, centre's fifth edition of the annual survey on cleanliness under the Swachh Bharat Mission, announced on Thursday with a score of 4,655. Last year, it was ranked 24th in the country, improving from 41st in 2018, 65th rank in 2017.

Chief minister Manohar Lal Khattar's constituency bagged the first position in the state fourth time in a row. Rohtak (35) and Panchkula (56), Gurugaram (62) have ranked second, third and fourth, respectively. Sonipat (103), Hisar (105), Rewari (118), Ambala 120, Yamuna-

Rohtak ranked 35th

Rohtak district has improved its ranking from 69th in last year to 35th in the latest survey. Besides Karnal district, Rohtak is the only urban local body in Haryana that figures in the top 50 lists of the central government survey. Rohtak

municipal corporation commissioner Pardeep Godara said to keep them effective, MC has been reviewing periodically its sanitation projects and take appropriate steps to improve, if

nagar 147, Panipat 160, Bhiwani 166, Jind 168, Sirsa 176, Kaithal 199, Bahadurgarh Thanesar 219, Palwal 357th rank in the country. Haryana managed to get the second position in the category of state with ULBs (urban local bodies) less than 100. It was ranked 9th in 2019.

Karnal deputy commissioner-cum-municipal corporation commissioner Nishant Kumar Yadav said. We will try our best for top 10 position in Swachh Survekshan 2021.'

According to him, Karnal city was declared open defecation free (ODF) for the first time in August 2017. Now, it has been declared ODF ++ for its sustainable sanitation solutions. Recently, Karnal had received 3-star rating under the Garbage Free Cities announced by the ministry housing and affairs.

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It is intimated that the annual conference on implementation of the District Environment Plan has been conducted by District Magistrate Karnal on 28.06.2022 involving the educational Institutions, welfare associations, Local Bodies including Panchayats, ECO-clubs, all concerned Departments and activist indentified by the District Administrations and nominees of District Legal Services Authorities, as advised by the Hon'ble Tribunal. The District Environment Plan was also presented by Regional Officer, HSPCB, Karnal. The plan was having following Environment related issues as

- 1. Solid Waste Management
- 2. Plastic Waste Management
- 3. C&D Waste Management
- 4. Bio-Medical Waste Management
- 5. Hazardous Waste Management
- 6. E-Waste Management
- 7. Air Quality Management
- 8. Industrial Waste Water Management
- 9. Water Quality Management
- 10. Mining Activity Management Plan
- 11. Waste Management in Rural Areas
- 12. Miscellaneous Activities/ issues.

The open house discussion on above said Environmental activities was also done by representatives of educational Institutions, welfare associations, Local Bodies officers including Panchayats, ECO-clubs members, PHED Department officer's, Irrigation Department officer's, Forest Department officer's, Agriculture Department officer's, Transport & police Department Officer's, Animal Husbandry Department, Industry Department, PWD B&R, Minning Department, CMO, HSVP, HSIIDC, DIC, Panchayti Raj DDPO, Municipal Counselors and nominees of District Legal Services Authorities. Worthy Deputy Commissioner Karnal , Mayor of MC Karnal and SDMs also participated. The suggestions from various officers also discussed for bettermentof Environment.

Conference on District Environment Plan has been conducted by District Magistrate Karnal on 28.06.2022









The District Environment plan will be reviewed monthly for completion of targets.

> The following are the Nodal Officers for implementation of District Environmental Plan.

Additional Deputy Commissioner, Karnal.	Chairman
Commissioner in case of Municipal Corporation & District Municipal Commissioner	Co- Chairman
Chief Executive Officer, ZilaParishad	Member
Superintending Engineer, PWD (B&R)	Member
Superintending Engineer, PHED	Member
Superintending Engineer, Irrigation Department	Member
Chief Medical Officer, Health Department	Member
Estate Officer, HSIIDC	Member
District Mining Officer	Member
District Forest Officer	Member
Deputy Superintendent of Police (HQ)	Member
Regional Officer, HSPCB, Karnal	Member Secretary

Save water, and it will save you



Care for the earth, care for every child's birth !

Thank You